

FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 240-69372/22-A  
 Matrix: Water Lab File ID: P1000029.D  
 Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
 Extraction Method: 8151A Date Extracted: 12/19/2012 09:51  
 Sample wt/vol: 500 (mL) Date Analyzed: 12/25/2012 01:53  
 Con. Extract Vol.: 100 (mL) Dilution Factor: 1  
 Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 70037 Units: ug/L

| CAS NO.   | COMPOUND NAME     | RESULT | Q | LOQ  | LOD   | DL    |
|-----------|-------------------|--------|---|------|-------|-------|
| 94-75-7   | 2,4-D             | 36.7   |   | 4.0  | 0.50  | 0.41  |
| 75-99-0   | Dalapon           | 13.7   |   | 2.0  | 0.20  | 0.17  |
| 94-82-6   | 2,4-DB            | 35.1   |   | 4.0  | 1.0   | 0.69  |
| 1918-00-9 | Dicamba           | 17.6   |   | 2.0  | 1.0   | 0.52  |
| 120-36-5  | Dichlorprop       | 43.9   |   | 4.0  | 1.0   | 0.86  |
| 88-85-7   | Dinoseb           | 4.33   |   | 0.60 | 0.20  | 0.087 |
| 94-74-6   | MCPA              | 3570   |   | 400  | 400   | 390   |
| 93-65-2   | MCPP              | 3860   |   | 400  | 400   | 400   |
| 87-86-5   | Pentachlorophenol | 6.57   |   | 0.10 | 0.040 | 0.024 |
| 93-72-1   | Silvex (2,4,5-TP) | 8.89   |   | 1.0  | 0.20  | 0.20  |
| 93-76-5   | 2,4,5-T           | 8.89   |   | 1.0  | 0.50  | 0.30  |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 87   |   | 32-112 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000029.D  
 Lims ID: LCS 240-69372/22-A Client ID:  
 Inject. Date: 25-Dec-2012 01:53:47 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: 240-0016161-029  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 29  
 Lims Batch ID: 70037 Lims Sample ID: 29  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\8151\_1.m  
 Last Update: 26-Dec-2012 12:33:27 Calib Date: 03-Dec-2012 19:52:08  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK028

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 5 Dalapon

|             |       |       |       |          |        |  |
|-------------|-------|-------|-------|----------|--------|--|
| 1           | 1.244 | 1.241 | 0.003 | 31229677 | 0.0683 |  |
| 2           | 1.372 | 1.372 | 0.000 | 12197494 | 0.0840 |  |
| RPD = 20.60 |       |       |       |          |        |  |

## \$ 4 2,4-Dichlorophenylacetic acid

|            |       |       |        |          |        |  |
|------------|-------|-------|--------|----------|--------|--|
| 1          | 6.973 | 6.971 | 0.002  | 25827659 | 0.1733 |  |
| 2          | 7.606 | 7.607 | -0.001 | 11578775 | 0.1865 |  |
| RPD = 7.37 |       |       |        |          |        |  |

## 6 Dicamba

|            |       |       |        |          |        |  |
|------------|-------|-------|--------|----------|--------|--|
| 1          | 7.139 | 7.136 | 0.003  | 54243268 | 0.0878 |  |
| 2          | 7.772 | 7.774 | -0.002 | 23824801 | 0.0932 |  |
| RPD = 5.95 |       |       |        |          |        |  |

## 10 MCPP

|            |       |       |        |          |      |  |
|------------|-------|-------|--------|----------|------|--|
| 1          | 7.424 | 7.421 | 0.003  | 10840888 | 19.3 |  |
| 2          | 7.958 | 7.959 | -0.001 | 4373789  | 18.3 |  |
| RPD = 5.13 |       |       |        |          |      |  |

## 9 MCPA

|            |       |       |       |          |      |  |
|------------|-------|-------|-------|----------|------|--|
| 1          | 7.587 | 7.585 | 0.002 | 12950858 | 17.9 |  |
| 2          | 8.210 | 8.210 | 0.000 | 5625167  | 18.6 |  |
| RPD = 4.20 |       |       |       |          |      |  |

## 7 Dichlorprop

|            |       |       |        |          |        |  |
|------------|-------|-------|--------|----------|--------|--|
| 1          | 7.957 | 7.955 | 0.002  | 30370216 | 0.2194 |  |
| 2          | 8.568 | 8.570 | -0.002 | 12649922 | 0.2400 |  |
| RPD = 8.96 |       |       |        |          |        |  |

## 2 2,4-D

|            |       |       |        |          |        |  |
|------------|-------|-------|--------|----------|--------|--|
| 1          | 8.194 | 8.194 | 0.000  | 27659681 | 0.1837 |  |
| 2          | 8.923 | 8.925 | -0.002 | 11819052 | 0.1906 |  |
| RPD = 3.67 |       |       |        |          |        |  |

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\1000029.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 11 Pentachlorophenol

|   |       |       |        |          |        |  |
|---|-------|-------|--------|----------|--------|--|
| 1 | 8.284 | 8.283 | 0.001  | 55739483 | 0.0329 |  |
| 2 | 9.217 | 9.218 | -0.001 | 21924248 | 0.0301 |  |

RPD = 8.74

## 12 Silvex (2,4,5-TP)

|   |       |       |        |          |        |  |
|---|-------|-------|--------|----------|--------|--|
| 1 | 9.071 | 9.069 | 0.002  | 33941848 | 0.0445 |  |
| 2 | 9.858 | 9.860 | -0.002 | 13423604 | 0.0473 |  |

RPD = 6.16

## 1 2,4,5-T

|   |        |        |       |          |        |  |
|---|--------|--------|-------|----------|--------|--|
| 1 | 9.385  | 9.385  | 0.000 | 27272444 | 0.0444 |  |
| 2 | 10.337 | 10.337 | 0.000 | 10994509 | 0.0453 |  |

RPD = 1.97

## 3 2,4-DB

|   |        |        |        |          |        |  |
|---|--------|--------|--------|----------|--------|--|
| 1 | 10.014 | 10.013 | 0.001  | 11216439 | 0.1757 |  |
| 2 | 10.983 | 10.987 | -0.004 | 4602246  | 0.1733 |  |

RPD = 1.39

## 8 Dinoseb

|   |        |        |        |          |        |  |
|---|--------|--------|--------|----------|--------|--|
| 1 | 11.224 | 11.220 | 0.004  | 10953069 | 0.0217 |  |
| 2 | 11.361 | 11.364 | -0.003 | 4336399  | 0.0224 |  |

RPD = 3.51

Report Date: 26-Dec-2012 12:33:37

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000029.D

Injection Date: 25-Dec-2012 01:53:47

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70037

Lims Sample ID: 29

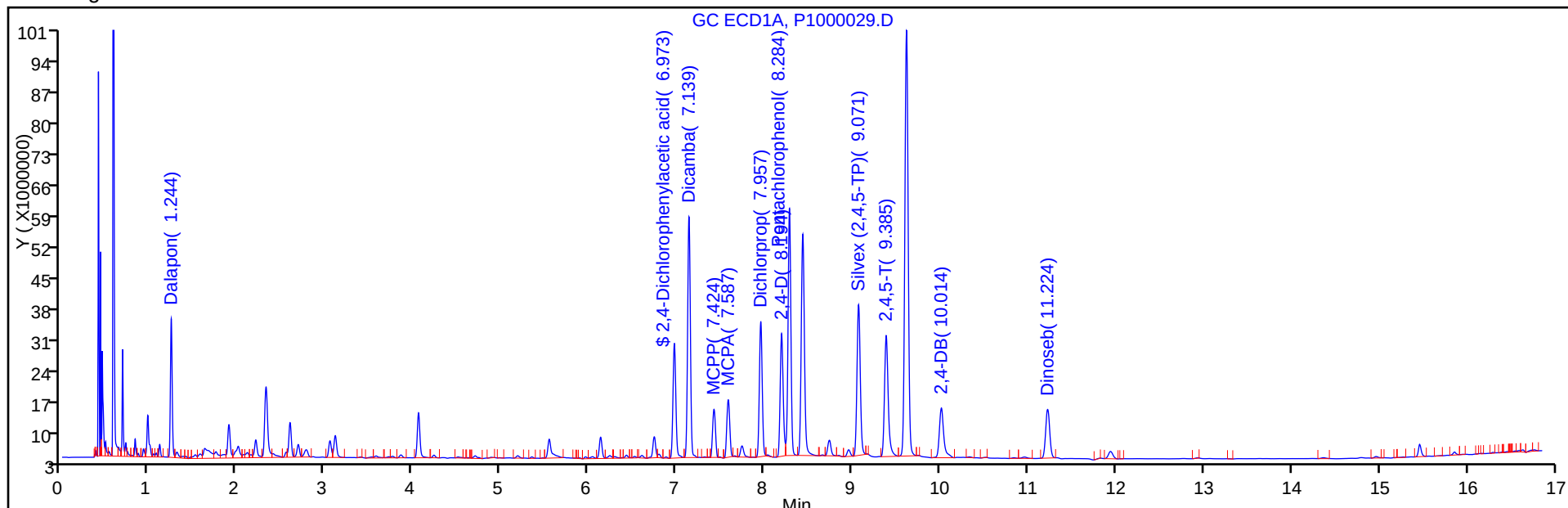
Operator ID: 001754

Injection Vol: 1.0 ul

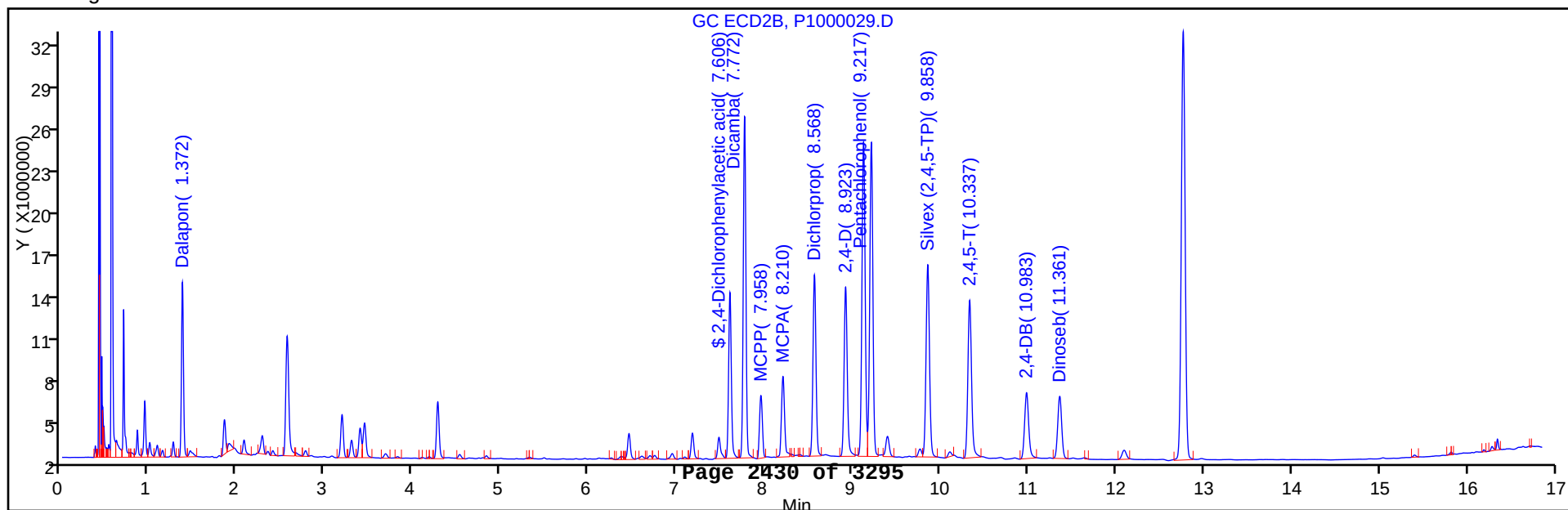
Column Type:

Column Dia:

Y Scaling:



Y Scaling:





FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 240-69372/22-A  
Matrix: Water Lab File ID: P1000029.D  
Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
Extraction Method: 8151A Date Extracted: 12/19/2012 09:51  
Sample wt/vol: 500 (mL) Date Analyzed: 12/25/2012 01:53  
Con. Extract Vol.: 100 (mL) Dilution Factor: 1  
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 70037 Units: ug/L

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 93   |   | 32-112 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000029.D  
 Lims ID: LCS 240-69372/22-A Client ID:  
 Inject. Date: 25-Dec-2012 01:53:47 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: 240-0016161-029  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 29  
 Lims Batch ID: 70037 Lims Sample ID: 29  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\8151\_1.m  
 Last Update: 26-Dec-2012 12:33:27 Calib Date: 03-Dec-2012 19:52:08  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK028

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 5 Dalapon

|   |       |       |       |          |        |
|---|-------|-------|-------|----------|--------|
| 1 | 1.244 | 1.241 | 0.003 | 31229677 | 0.0683 |
| 2 | 1.372 | 1.372 | 0.000 | 12197494 | 0.0840 |

RPD = 20.60

## \$ 4 2,4-Dichlorophenylacetic acid

|   |       |       |        |          |        |
|---|-------|-------|--------|----------|--------|
| 1 | 6.973 | 6.971 | 0.002  | 25827659 | 0.1733 |
| 2 | 7.606 | 7.607 | -0.001 | 11578775 | 0.1865 |

RPD = 7.37

## 6 Dicamba

|   |       |       |        |          |        |
|---|-------|-------|--------|----------|--------|
| 1 | 7.139 | 7.136 | 0.003  | 54243268 | 0.0878 |
| 2 | 7.772 | 7.774 | -0.002 | 23824801 | 0.0932 |

RPD = 5.95

## 10 MCPP

|   |       |       |        |          |      |
|---|-------|-------|--------|----------|------|
| 1 | 7.424 | 7.421 | 0.003  | 10840888 | 19.3 |
| 2 | 7.958 | 7.959 | -0.001 | 4373789  | 18.3 |

RPD = 5.13

## 9 MCPA

|   |       |       |       |          |      |
|---|-------|-------|-------|----------|------|
| 1 | 7.587 | 7.585 | 0.002 | 12950858 | 17.9 |
| 2 | 8.210 | 8.210 | 0.000 | 5625167  | 18.6 |

RPD = 4.20

## 7 Dichlorprop

|   |       |       |        |          |        |
|---|-------|-------|--------|----------|--------|
| 1 | 7.957 | 7.955 | 0.002  | 30370216 | 0.2194 |
| 2 | 8.568 | 8.570 | -0.002 | 12649922 | 0.2400 |

RPD = 8.96

## 2 2,4-D

|   |       |       |        |          |        |
|---|-------|-------|--------|----------|--------|
| 1 | 8.194 | 8.194 | 0.000  | 27659681 | 0.1837 |
| 2 | 8.923 | 8.925 | -0.002 | 11819052 | 0.1906 |

RPD = 3.67

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000029.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 11 Pentachlorophenol

|            |       |       |        |          |        |  |
|------------|-------|-------|--------|----------|--------|--|
| 1          | 8.284 | 8.283 | 0.001  | 55739483 | 0.0329 |  |
| 2          | 9.217 | 9.218 | -0.001 | 21924248 | 0.0301 |  |
| RPD = 8.74 |       |       |        |          |        |  |

## 12 Silvex (2,4,5-TP)

|            |       |       |        |          |        |  |
|------------|-------|-------|--------|----------|--------|--|
| 1          | 9.071 | 9.069 | 0.002  | 33941848 | 0.0445 |  |
| 2          | 9.858 | 9.860 | -0.002 | 13423604 | 0.0473 |  |
| RPD = 6.16 |       |       |        |          |        |  |

## 1 2,4,5-T

|            |        |        |       |          |        |  |
|------------|--------|--------|-------|----------|--------|--|
| 1          | 9.385  | 9.385  | 0.000 | 27272444 | 0.0444 |  |
| 2          | 10.337 | 10.337 | 0.000 | 10994509 | 0.0453 |  |
| RPD = 1.97 |        |        |       |          |        |  |

## 3 2,4-DB

|            |        |        |        |          |        |  |
|------------|--------|--------|--------|----------|--------|--|
| 1          | 10.014 | 10.013 | 0.001  | 11216439 | 0.1757 |  |
| 2          | 10.983 | 10.987 | -0.004 | 4602246  | 0.1733 |  |
| RPD = 1.39 |        |        |        |          |        |  |

## 8 Dinoseb

|            |        |        |        |          |        |  |
|------------|--------|--------|--------|----------|--------|--|
| 1          | 11.224 | 11.220 | 0.004  | 10953069 | 0.0217 |  |
| 2          | 11.361 | 11.364 | -0.003 | 4336399  | 0.0224 |  |
| RPD = 3.51 |        |        |        |          |        |  |

Report Date: 26-Dec-2012 12:33:38

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000029.D

Injection Date: 25-Dec-2012 01:53:47

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70037

Lims Sample ID: 29

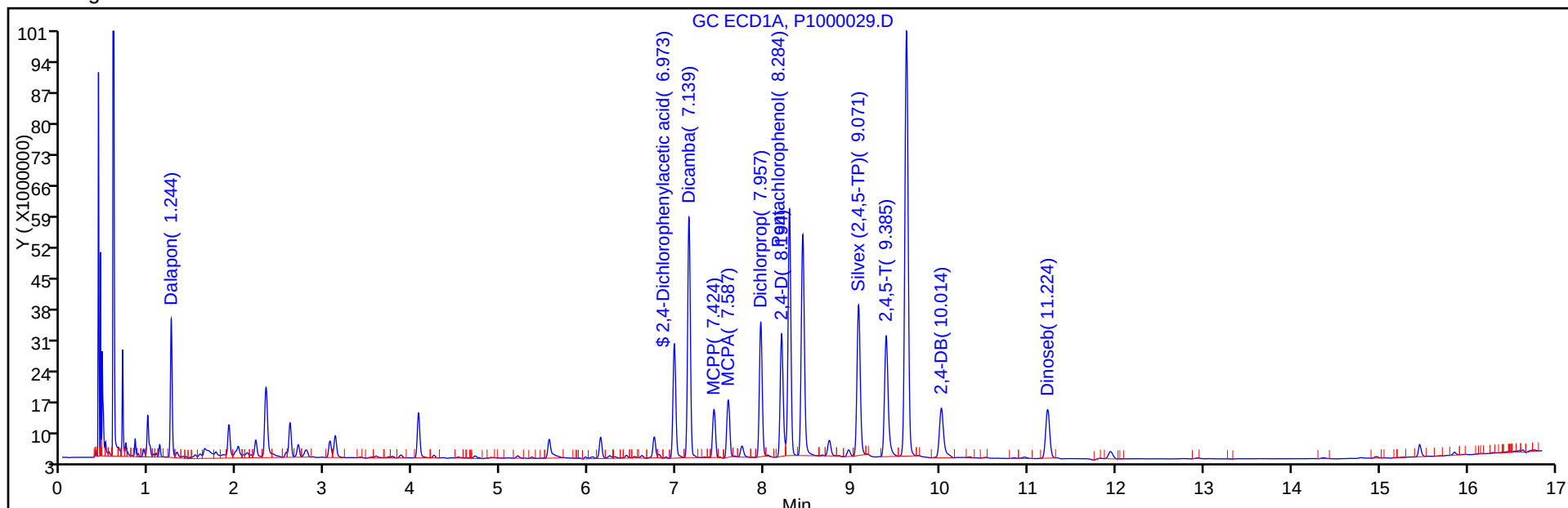
Operator ID: 001754

Injection Vol: 1.0 ul

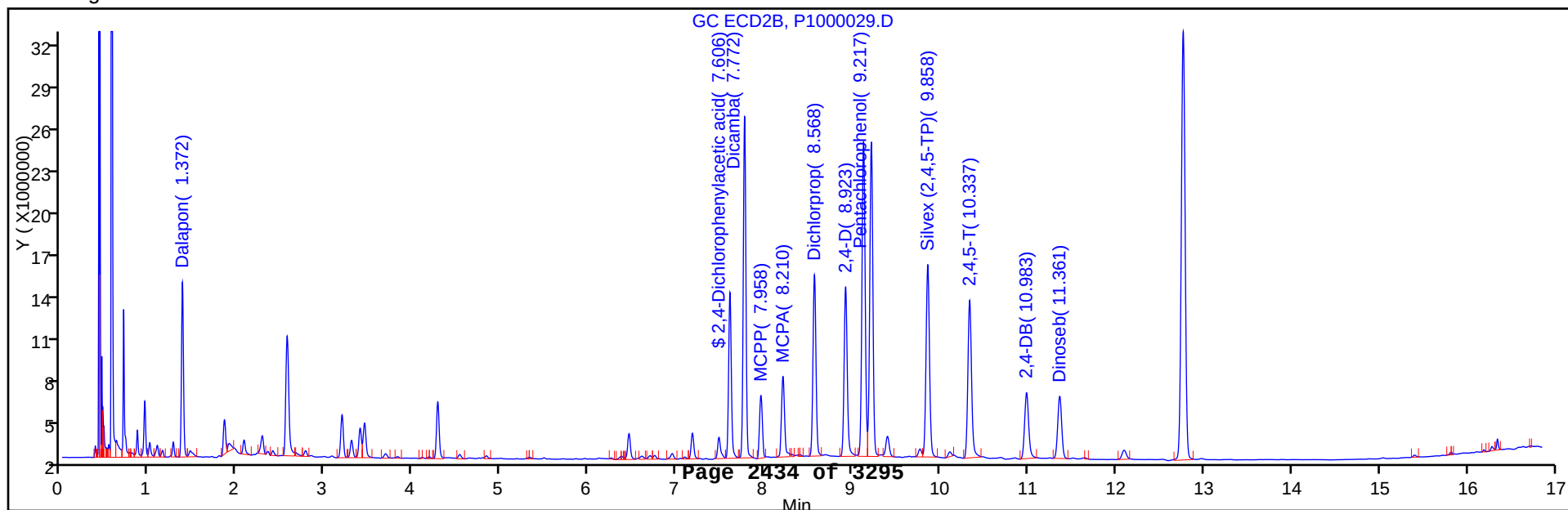
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 240-70010/5-A  
Matrix: Solid Lab File ID: P1000033.D  
Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
Extraction Method: 8151A Date Extracted: 12/24/2012 10:38  
Sample wt/vol: 100 (mL) Date Analyzed: 01/01/2013 01:51  
Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 70766 Units: mg/L

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 78   |   | 37-116 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000033.D  
 Lims ID: LCS 240-70010/5-A Client ID:  
 Inject. Date: 01-Jan-2013 01:51:16 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: 240-0016320-033  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 33  
 Lims Batch ID: 70766 Lims Sample ID: 33  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151\_1.m  
 Last Update: 07-Jan-2013 13:46:48 Calib Date: 31-Dec-2012 16:50:57  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK030

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## \$ 4 2,4-Dichlorophenylacetic acid

|   |       |       |       |          |        |
|---|-------|-------|-------|----------|--------|
| 1 | 6.964 | 6.961 | 0.003 | 23380957 | 0.1568 |
| 2 | 7.617 | 7.613 | 0.004 | 9068351  | 0.1461 |

RPD = 7.11

## 2 2,4-D

|   |       |       |        |          |        |
|---|-------|-------|--------|----------|--------|
| 1 | 8.184 | 8.185 | -0.001 | 25752341 | 0.1711 |
| 2 | 8.933 | 8.933 | 0.000  | 9575386  | 0.1544 |

RPD = 10.22

## 12 Silvex (2,4,5-TP)

|   |       |       |        |          |        |
|---|-------|-------|--------|----------|--------|
| 1 | 9.056 | 9.060 | -0.004 | 31840729 | 0.0417 |
| 2 | 9.869 | 9.869 | 0.000  | 13174771 | 0.0464 |

RPD = 10.67

Report Date: 07-Jan-2013 13:47:01

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\P1000033.D

Injection Date: 01-Jan-2013 01:51:16

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70766

Lims Sample ID: 33

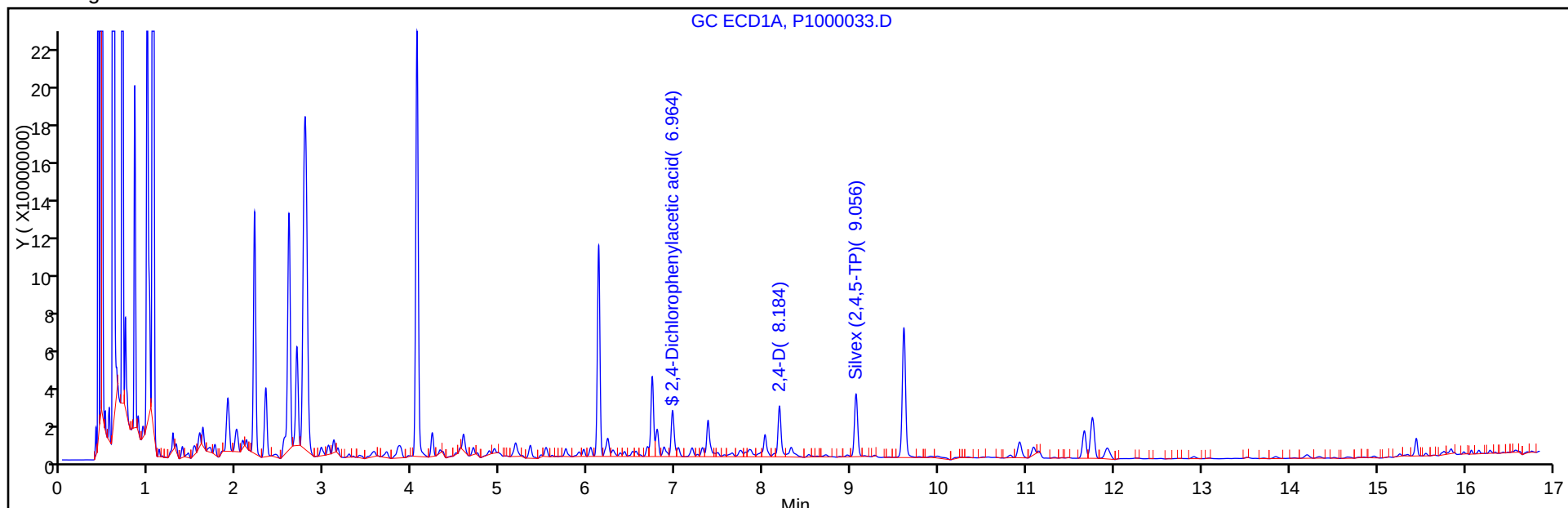
Operator ID: 001754

Injection Vol: 1.0 ul

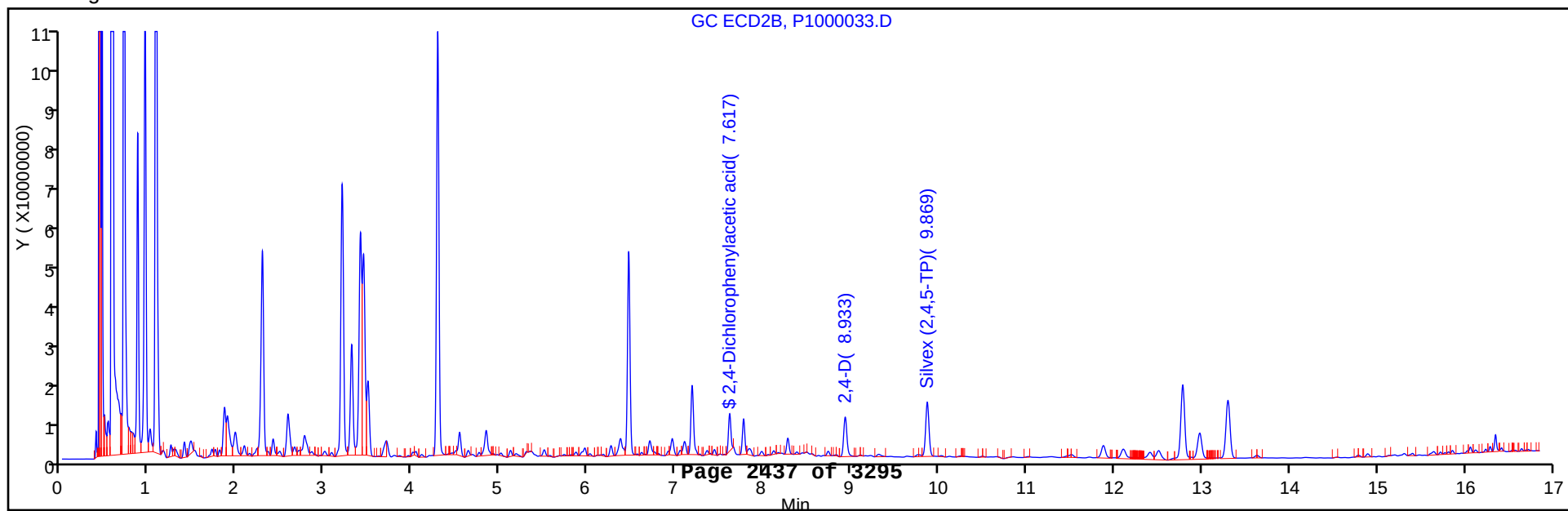
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 240-70010/5-A  
Matrix: Solid Lab File ID: P1000033.D  
Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
Extraction Method: 8151A Date Extracted: 12/24/2012 10:38  
Sample wt/vol: 100 (mL) Date Analyzed: 01/01/2013 01:51  
Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 70766 Units: mg/L

| CAS NO. | COMPOUND NAME     | RESULT  | Q | LOQ   | LOD     | DL      |
|---------|-------------------|---------|---|-------|---------|---------|
| 94-75-7 | 2,4-D             | 0.0154  | J | 0.25  | 0.00025 | 0.00021 |
| 93-72-1 | Silvex (2,4,5-TP) | 0.00464 | J | 0.050 | 0.00010 | 0.00010 |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 73   |   | 37-116 |



TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000033.D  
 Lims ID: LCS 240-70010/5-A Client ID:  
 Inject. Date: 01-Jan-2013 01:51:16 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: 240-0016320-033  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 33  
 Lims Batch ID: 70766 Lims Sample ID: 33  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151\_1.m  
 Last Update: 07-Jan-2013 13:46:48 Calib Date: 31-Dec-2012 16:50:57  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK030

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## \$ 4 2,4-Dichlorophenylacetic acid

|   |       |       |       |          |        |
|---|-------|-------|-------|----------|--------|
| 1 | 6.964 | 6.961 | 0.003 | 23380957 | 0.1568 |
| 2 | 7.617 | 7.613 | 0.004 | 9068351  | 0.1461 |

RPD = 7.11

## 2 2,4-D

|   |       |       |        |          |        |
|---|-------|-------|--------|----------|--------|
| 1 | 8.184 | 8.185 | -0.001 | 25752341 | 0.1711 |
| 2 | 8.933 | 8.933 | 0.000  | 9575386  | 0.1544 |

RPD = 10.22

## 12 Silvex (2,4,5-TP)

|   |       |       |        |          |        |
|---|-------|-------|--------|----------|--------|
| 1 | 9.056 | 9.060 | -0.004 | 31840729 | 0.0417 |
| 2 | 9.869 | 9.869 | 0.000  | 13174771 | 0.0464 |

RPD = 10.67

Report Date: 07-Jan-2013 13:47:01

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\P1000033.D

Injection Date: 01-Jan-2013 01:51:16

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70766

Lims Sample ID: 33

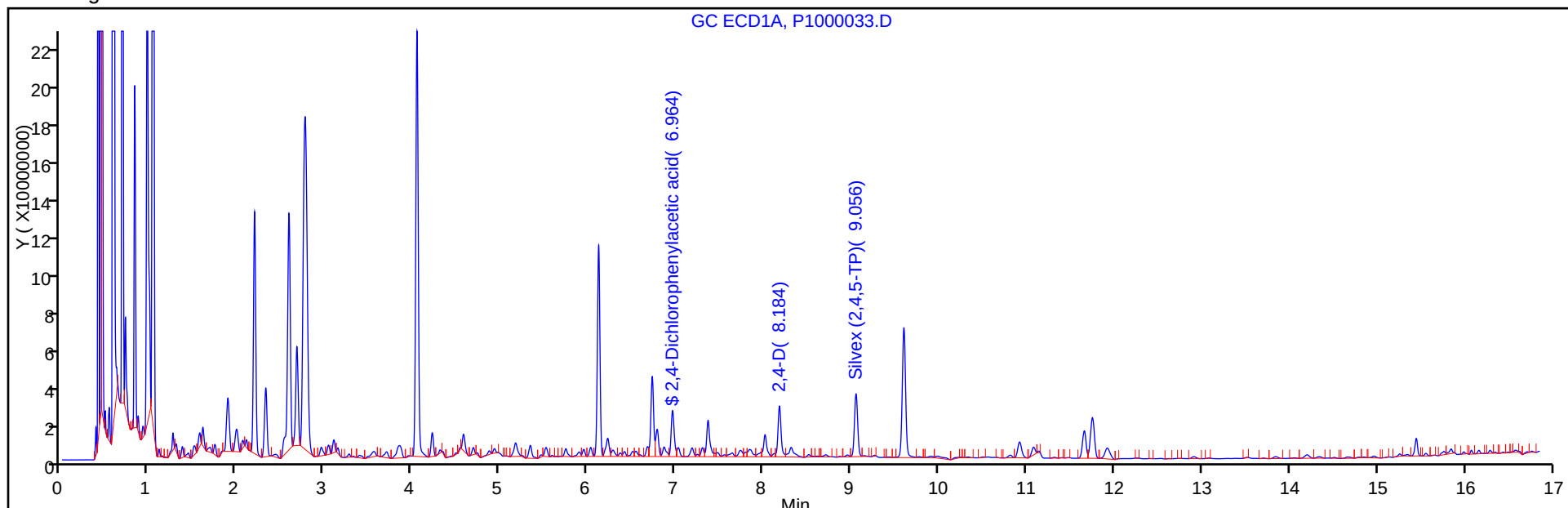
Operator ID: 001754

Injection Vol: 1.0 ul

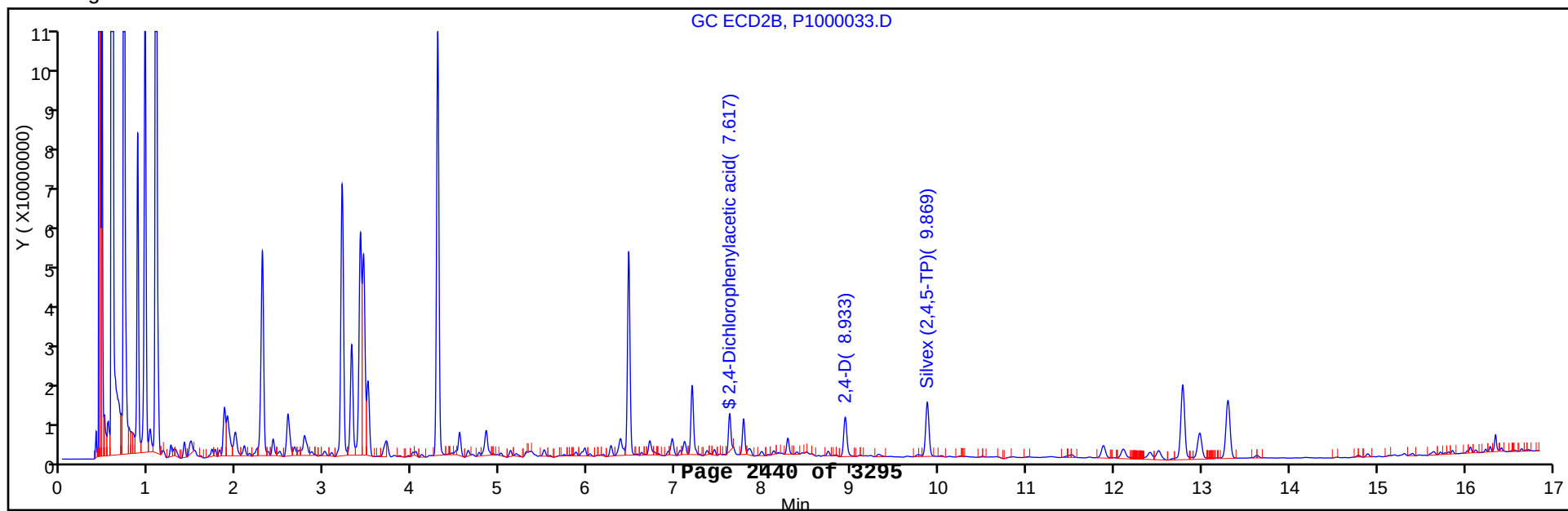
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-70037/7  
 Matrix: Water Lab File ID: P1000007.D  
 Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
 Extraction Method: \_\_\_\_\_ Date Extracted: \_\_\_\_\_  
 Sample wt/vol: 1(mL) Date Analyzed: 12/24/2012 17:16  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 70037 Units: ng/uL

| CAS NO.   | COMPOUND NAME     | RESULT   | Q | LOQ     | LOD      | DL       |
|-----------|-------------------|----------|---|---------|----------|----------|
| 94-75-7   | 2,4-D             | 0.0211   |   | 0.0040  | 0.00050  | 0.00041  |
| 75-99-0   | Dalapon           | 0.0115   |   | 0.0020  | 0.00020  | 0.00017  |
| 94-82-6   | 2,4-DB            | 0.0190   |   | 0.0040  | 0.0010   | 0.00069  |
| 1918-00-9 | Dicamba           | 0.0120   |   | 0.0020  | 0.0010   | 0.00052  |
| 120-36-5  | Dichlorprop       | 0.0254   |   | 0.0040  | 0.0010   | 0.00086  |
| 88-85-7   | Dinoseb           | 0.00328  |   | 0.00060 | 0.00020  | 0.000087 |
| 94-74-6   | MCPA              | 1.08     | ^ | 0.40    | 0.40     | 0.39     |
| 93-65-2   | MCPP              | 1.13     | ^ | 0.40    | 0.40     | 0.40     |
| 87-86-5   | Pentachlorophenol | 0.000040 | U | 0.00010 | 0.000040 | 0.000024 |
| 93-72-1   | Silvex (2,4,5-TP) | 0.00530  |   | 0.0010  | 0.00020  | 0.00020  |
| 93-76-5   | 2,4,5-T           | 0.00469  |   | 0.0010  | 0.00050  | 0.00030  |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 121  | Q | 32-112 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 24-Dec-2012 17:16:28 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016161-007  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 7  
 Lims Batch ID: 70037 Lims Sample ID: 7  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\8151\_1.m  
 Last Update: 26-Dec-2012 13:46:40 Calib Date: 03-Dec-2012 19:52:08  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK029

First Level Reviewer: bolgrind

Date:

26-Dec-2012 12:30:10

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 5 Dalapon

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 1.238 | 1.238 | 0.000 | 5265790 | 0.0115 |
| 2 | 1.371 | 1.371 | 0.000 | 1737020 | 0.0120 |

RPD = 3.78

## \$ 4 2,4-Dichlorophenylacetic acid

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 6.968 | 6.967 | 0.001 | 3609747 | 0.0242 |
| 2 | 7.609 | 7.608 | 0.001 | 1509686 | 0.0243 |

RPD = 0.43

## 6 Dicamba

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 7.134 | 7.133 | 0.001 | 7445051 | 0.0120 |
| 2 | 7.774 | 7.774 | 0.000 | 2956402 | 0.0116 |

RPD = 4.13

## 10 MCPP

|   |       |       |       |         |      |
|---|-------|-------|-------|---------|------|
| 1 | 7.419 | 7.418 | 0.001 | 1826831 | 1.13 |
| 2 | 7.962 | 7.960 | 0.002 | 677664  | 1.04 |

RPD = 7.51

## 9 MCPA

|   |       |       |       |         |      |
|---|-------|-------|-------|---------|------|
| 1 | 7.581 | 7.580 | 0.001 | 2686144 | 1.08 |
| 2 | 8.212 | 8.210 | 0.002 | 1047458 | 1.06 |

RPD = 2.21

## 7 Dichlorprop

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 7.952 | 7.950 | 0.002 | 3518472 | 0.0254 |
| 2 | 8.570 | 8.570 | 0.000 | 1258267 | 0.0239 |

RPD = 6.28

## 2 2,4-D

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 8.194 | 8.190 | 0.004 | 3180606 | 0.0211 |
| 2 | 8.930 | 8.926 | 0.004 | 1313931 | 0.0212 |

RPD = 0.30

Data File: \\NCCchrom\ChromData\A2HP1\20121224-16161.b\P1000007.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 Pentachlorophenol 1

1 8.278

2 9.219

12 Silvex (2,4,5-TP)

1 9.068 9.064 0.004 4049193 0.005304

2 9.864 9.860 0.004 1522653 0.005363

RPD = 1.11

1 2,4,5-T

1 9.386 9.380 0.006 2880779 0.004693

2 10.342 10.338 0.004 1251961 0.005160

RPD = 9.48

3 2,4-DB

1 10.016 10.010 0.006 1213324 0.0190

2 10.991 10.988 0.003 87908 0.003309

RPD = 140.68

8 Dinoseb

1 11.218 11.216 0.002 1660942 0.003283 M

2 11.365 11.365 0.000 626968 0.003242 M

RPD = 1.26

#### QC Flag Legend

#### Processing Flags

1 - Missing Peaks

#### Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 13:46:40

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D

Injection Date: 24-Dec-2012 17:16:28

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70037

Lims Sample ID: 7

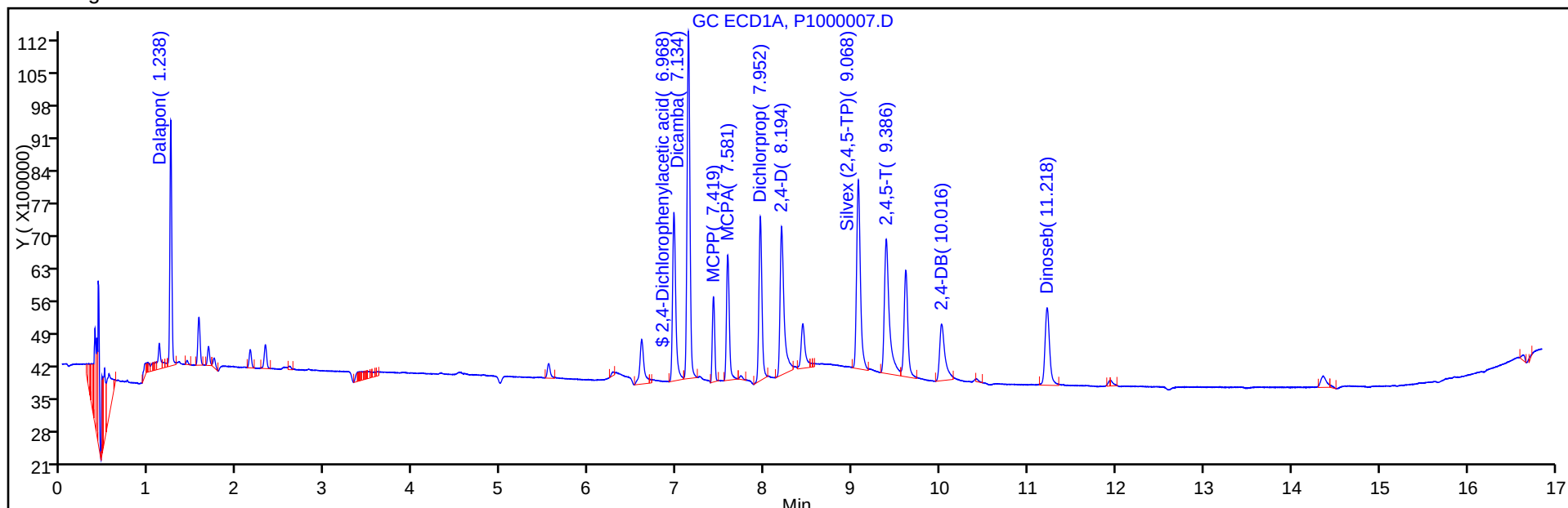
Operator ID: 001754

Injection Vol: 1.0 ul

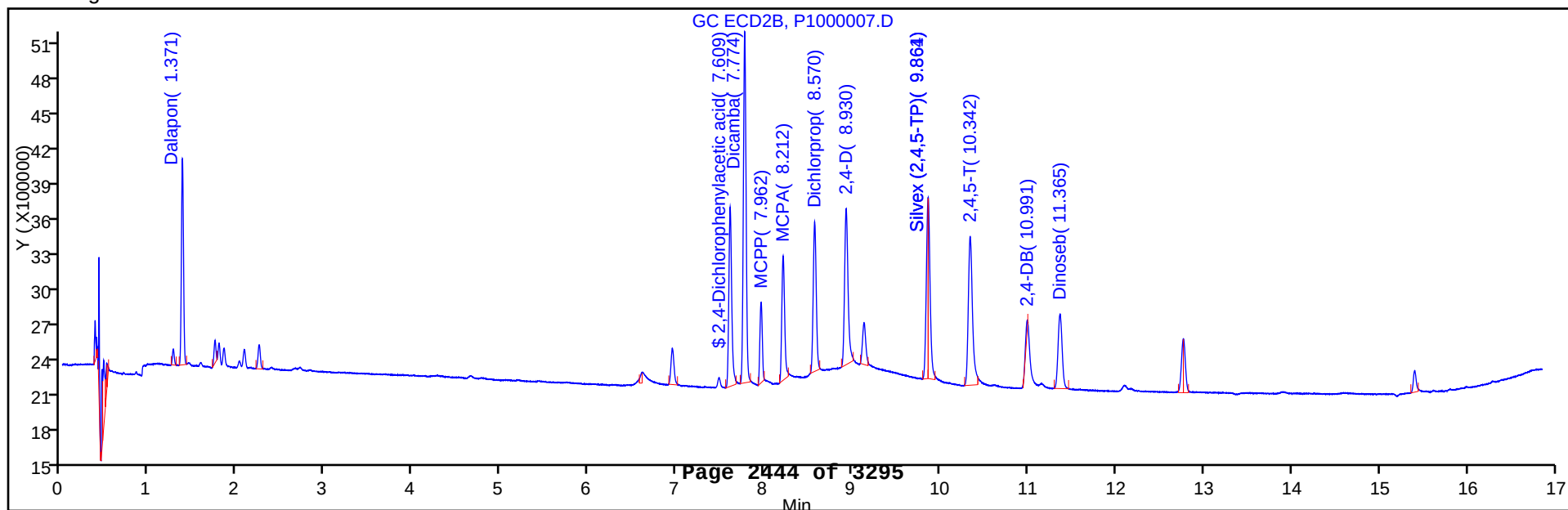
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



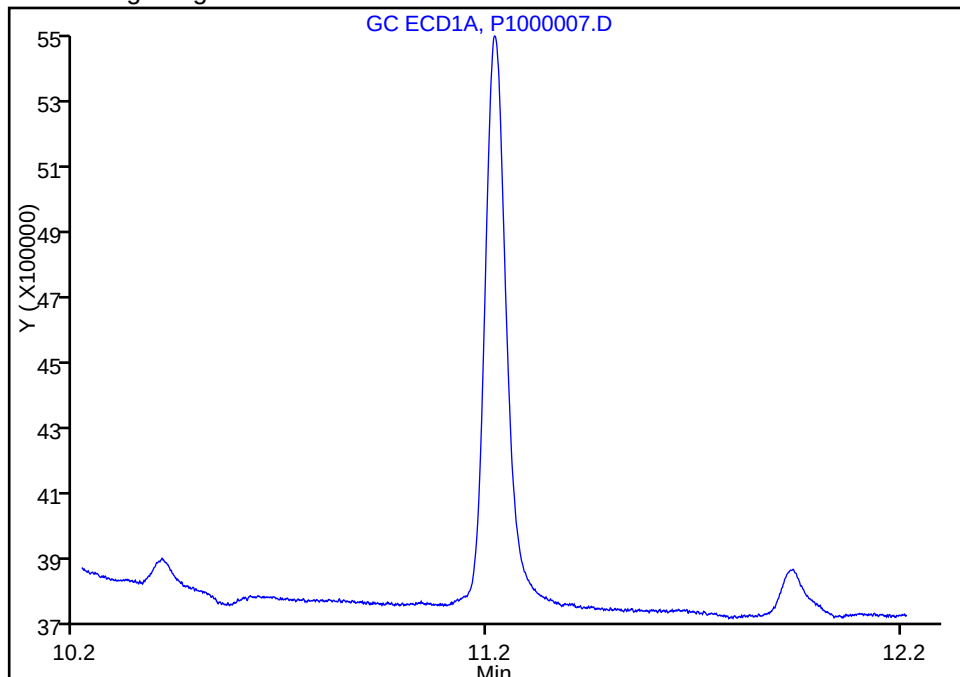
## TestAmerica Canton

|                 |                                                        |                 |             |
|-----------------|--------------------------------------------------------|-----------------|-------------|
| Data File:      | \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D |                 |             |
| Injection Date: | 24-Dec-2012 17:16:28                                   | Limit Group:    | GC 8151 DOD |
| Client ID:      |                                                        | Instrument ID:  | A2HP1       |
| Lims Batch ID:  | 70037                                                  | Lims Sample ID: | 7           |
| Operator ID:    | 001754                                                 | Injection Vol:  | 1.0 ul      |
| Column Type:    |                                                        | Column Dia:     |             |

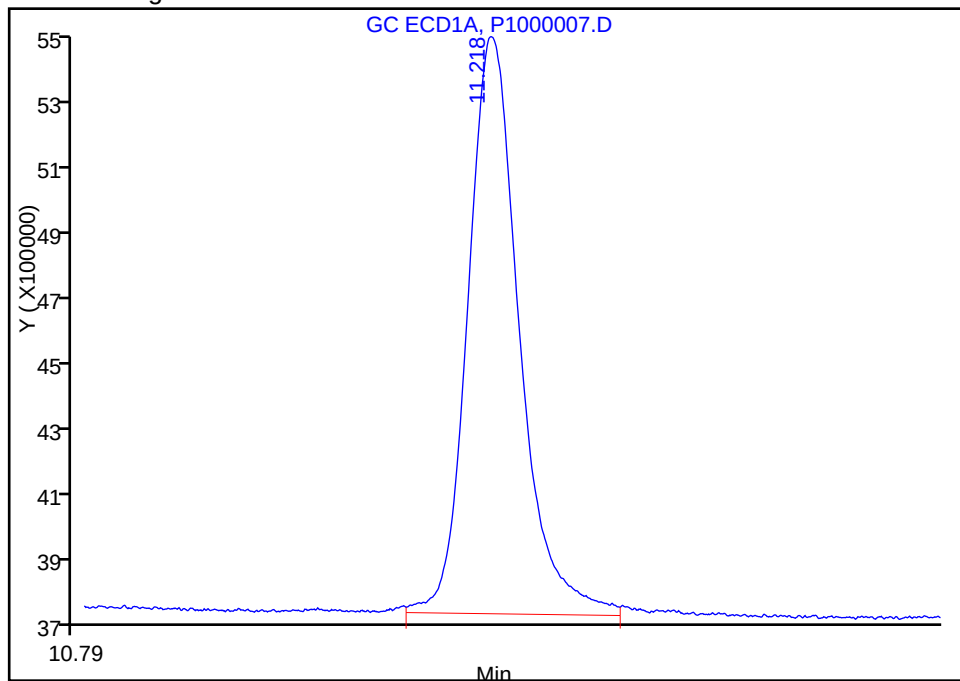
8 Dinoseb, Signal: 1, Type: quant, RT: 11.22, Det: GC ECD1A

Not Detected  
Expected RT: 11.22

## Processing Integration Results

RT: 11.22  
Response: 1660942  
Amount: 0.003283

## Manual Integration Results

Reviewer: bolgrind, 26-Dec-2012 12:30:10  
Audit Action: Assigned Compound ID  
Audit Reason: Baseline Event

FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-70037/7  
 Matrix: Water Lab File ID: P1000007.D  
 Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
 Extraction Method: \_\_\_\_\_ Date Extracted: \_\_\_\_\_  
 Sample wt/vol: 1(mL) Date Analyzed: 12/24/2012 17:16  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 70037 Units: ng/uL

| CAS NO.   | COMPOUND NAME     | RESULT   | Q   | LOQ     | LOD      | DL       |
|-----------|-------------------|----------|-----|---------|----------|----------|
| 94-75-7   | 2,4-D             | 0.0212   |     | 0.0040  | 0.00050  | 0.00041  |
| 75-99-0   | Dalapon           | 0.0120   |     | 0.0020  | 0.00020  | 0.00017  |
| 94-82-6   | 2,4-DB            | 0.00331  | J ^ | 0.0040  | 0.0010   | 0.00069  |
| 1918-00-9 | Dicamba           | 0.0116   |     | 0.0020  | 0.0010   | 0.00052  |
| 120-36-5  | Dichlorprop       | 0.0239   |     | 0.0040  | 0.0010   | 0.00086  |
| 88-85-7   | Dinoseb           | 0.00324  | M   | 0.00060 | 0.00020  | 0.000087 |
| 94-74-6   | MCPA              | 1.06     | ^   | 0.40    | 0.40     | 0.39     |
| 93-65-2   | MCPP              | 1.04     | ^   | 0.40    | 0.40     | 0.40     |
| 87-86-5   | Pentachlorophenol | 0.000040 | U   | 0.00010 | 0.000040 | 0.000024 |
| 93-72-1   | Silvex (2,4,5-TP) | 0.00536  |     | 0.0010  | 0.00020  | 0.00020  |
| 93-76-5   | 2,4,5-T           | 0.00516  |     | 0.0010  | 0.00050  | 0.00030  |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 122  | Q | 32-112 |



TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 24-Dec-2012 17:16:28 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016161-007  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 7  
 Lims Batch ID: 70037 Lims Sample ID: 7  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\8151\_1.m  
 Last Update: 26-Dec-2012 13:46:40 Calib Date: 03-Dec-2012 19:52:08  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK029

First Level Reviewer: bolgrind

Date:

26-Dec-2012 12:30:10

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 5 Dalapon

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 1.238 | 1.238 | 0.000 | 5265790 | 0.0115 |  |
| 2          | 1.371 | 1.371 | 0.000 | 1737020 | 0.0120 |  |
| RPD = 3.78 |       |       |       |         |        |  |

## \$ 4 2,4-Dichlorophenylacetic acid

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 6.968 | 6.967 | 0.001 | 3609747 | 0.0242 |  |
| 2          | 7.609 | 7.608 | 0.001 | 1509686 | 0.0243 |  |
| RPD = 0.43 |       |       |       |         |        |  |

## 6 Dicamba

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 7.134 | 7.133 | 0.001 | 7445051 | 0.0120 |  |
| 2          | 7.774 | 7.774 | 0.000 | 2956402 | 0.0116 |  |
| RPD = 4.13 |       |       |       |         |        |  |

## 10 MCPP

|            |       |       |       |         |      |  |
|------------|-------|-------|-------|---------|------|--|
| 1          | 7.419 | 7.418 | 0.001 | 1826831 | 1.13 |  |
| 2          | 7.962 | 7.960 | 0.002 | 677664  | 1.04 |  |
| RPD = 7.51 |       |       |       |         |      |  |

## 9 MCPA

|            |       |       |       |         |      |  |
|------------|-------|-------|-------|---------|------|--|
| 1          | 7.581 | 7.580 | 0.001 | 2686144 | 1.08 |  |
| 2          | 8.212 | 8.210 | 0.002 | 1047458 | 1.06 |  |
| RPD = 2.21 |       |       |       |         |      |  |

## 7 Dichlorprop

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 7.952 | 7.950 | 0.002 | 3518472 | 0.0254 |  |
| 2          | 8.570 | 8.570 | 0.000 | 1258267 | 0.0239 |  |
| RPD = 6.28 |       |       |       |         |        |  |

## 2 2,4-D

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 8.194 | 8.190 | 0.004 | 3180606 | 0.0211 |  |
| 2          | 8.930 | 8.926 | 0.004 | 1313931 | 0.0212 |  |
| RPD = 0.30 |       |       |       |         |        |  |

Data File: \\NCCchrom\ChromData\A2HP1\20121224-16161.b\P1000007.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 Pentachlorophenol 1

1 8.278

2 9.219

12 Silvex (2,4,5-TP)

1 9.068 9.064 0.004 4049193 0.005304

2 9.864 9.860 0.004 1522653 0.005363

RPD = 1.11

1 2,4,5-T

1 9.386 9.380 0.006 2880779 0.004693

2 10.342 10.338 0.004 1251961 0.005160

RPD = 9.48

3 2,4-DB

1 10.016 10.010 0.006 1213324 0.0190

2 10.991 10.988 0.003 87908 0.003309

RPD = 140.68

8 Dinoseb

1 11.218 11.216 0.002 1660942 0.003283 M

2 11.365 11.365 0.000 626968 0.003242 M

RPD = 1.26

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

## Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 13:46:40

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP1\20121224-16161.b\P1000007.D

Injection Date: 24-Dec-2012 17:16:28

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70037

Lims Sample ID: 7

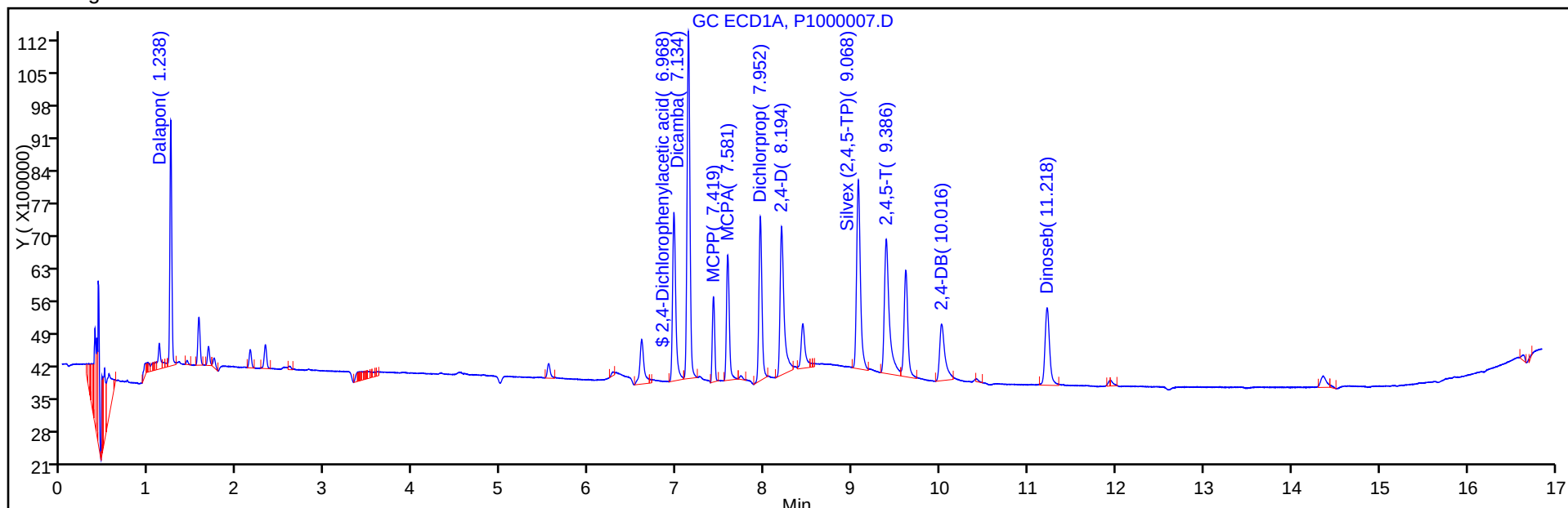
Operator ID: 001754

Injection Vol: 1.0 ul

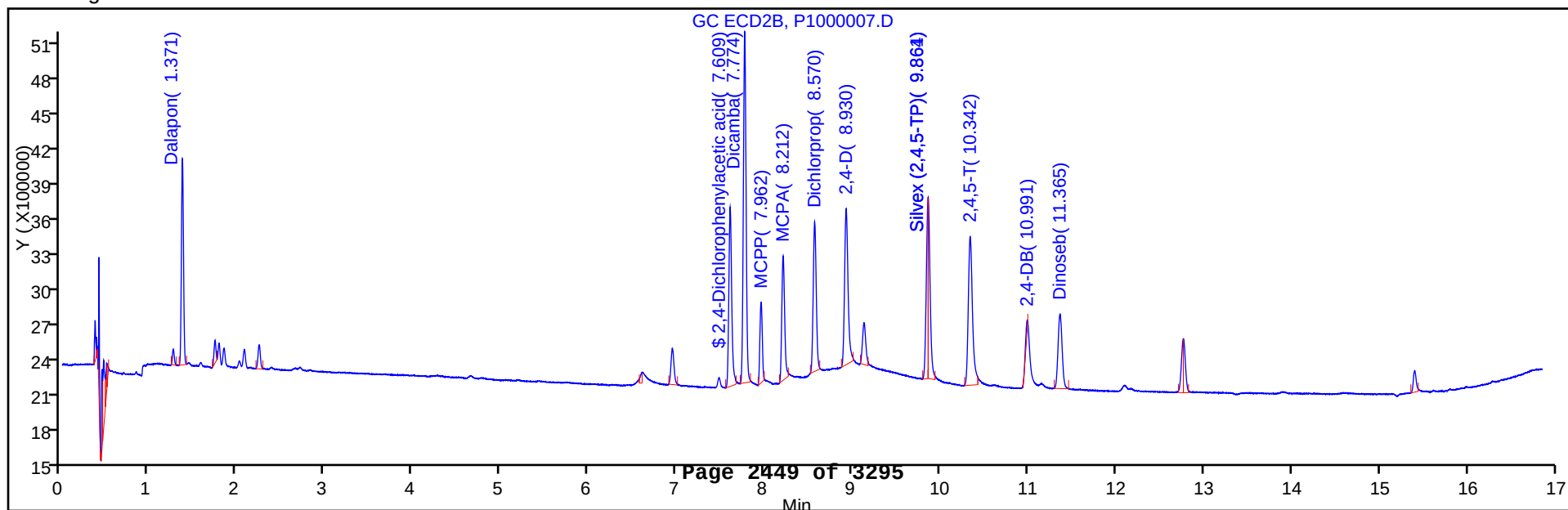
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D

Injection Date: 24-Dec-2012 17:16:28

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70037

Lims Sample ID: 7

Operator ID: 001754

Injection Vol: 1.0 ul

Column Type:

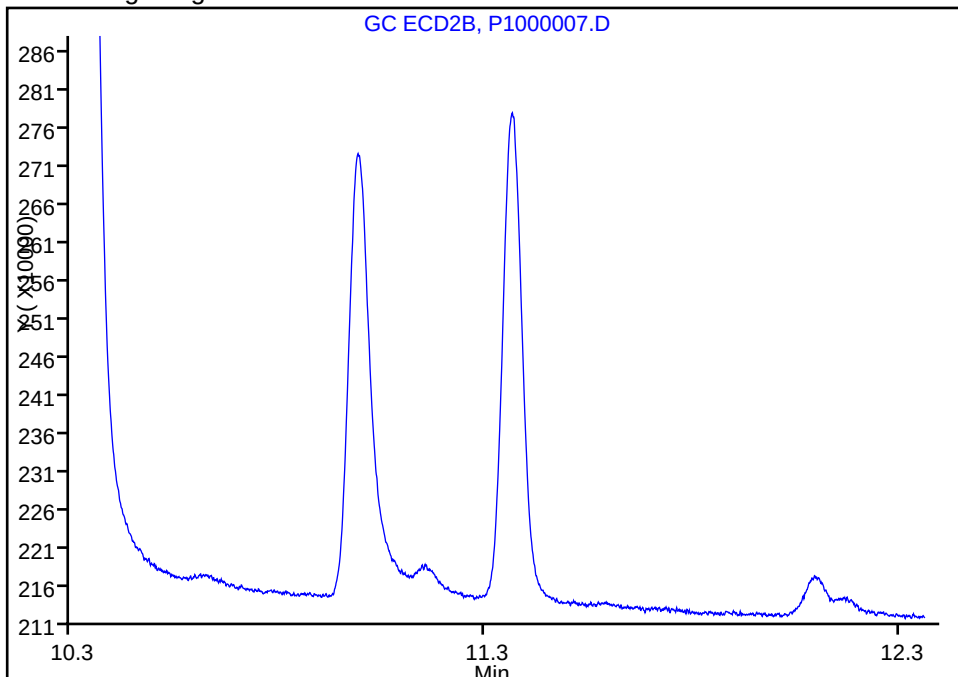
Column Dia:

8 Dinoseb, Signal: 2, Type: quant, RT: 11.37, Det: GC ecd2b

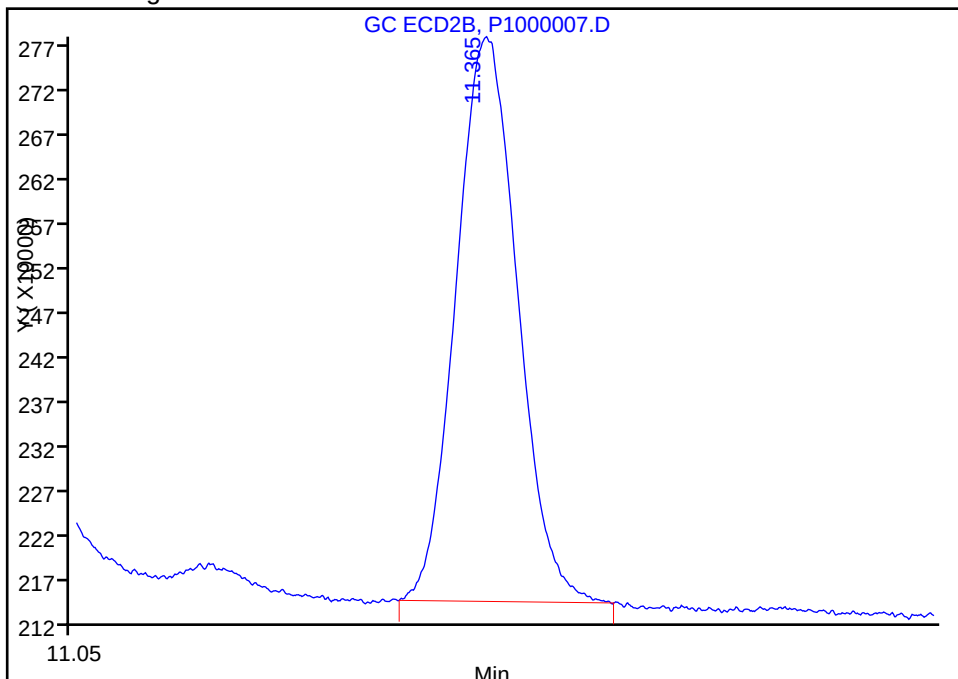
Not Detected

Expected RT: 11.37

## Processing Integration Results



## Manual Integration Results



RT: 11.37

Response: 626968

Amount: 0.003242

Reviewer: bolgrind, 26-Dec-2012 12:30:10

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-70037/32  
 Matrix: Water Lab File ID: P1000032.D  
 Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
 Extraction Method: \_\_\_\_\_ Date Extracted: \_\_\_\_\_  
 Sample wt/vol: 1(mL) Date Analyzed: 12/25/2012 03:04  
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 70037 Units: ng/uL

| CAS NO.   | COMPOUND NAME     | RESULT   | Q | LOQ     | LOD      | DL       |
|-----------|-------------------|----------|---|---------|----------|----------|
| 94-75-7   | 2,4-D             | 0.0219   |   | 0.0040  | 0.00050  | 0.00041  |
| 75-99-0   | Dalapon           | 0.0114   |   | 0.0020  | 0.00020  | 0.00017  |
| 94-82-6   | 2,4-DB            | 0.0202   |   | 0.0040  | 0.0010   | 0.00069  |
| 1918-00-9 | Dicamba           | 0.0124   |   | 0.0020  | 0.0010   | 0.00052  |
| 120-36-5  | Dichlorprop       | 0.0262   | ^ | 0.0040  | 0.0010   | 0.00086  |
| 88-85-7   | Dinoseb           | 0.00358  |   | 0.00060 | 0.00020  | 0.000087 |
| 94-74-6   | MCPA              | 1.30     | ^ | 0.40    | 0.40     | 0.39     |
| 93-65-2   | MCPD              | 1.28     | ^ | 0.40    | 0.40     | 0.40     |
| 87-86-5   | Pentachlorophenol | 0.000040 | U | 0.00010 | 0.000040 | 0.000024 |
| 93-72-1   | Silvex (2,4,5-TP) | 0.00547  |   | 0.0010  | 0.00020  | 0.00020  |
| 93-76-5   | 2,4,5-T           | 0.00495  |   | 0.0010  | 0.00050  | 0.00030  |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 128  | Q | 32-112 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000032.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 25-Dec-2012 03:04:18 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016161-032  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 32  
 Lims Batch ID: 70037 Lims Sample ID: 32  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151\_1.m  
 Last Update: 26-Dec-2012 13:46:31 Calib Date: 03-Dec-2012 19:52:08  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK029

First Level Reviewer: bolgrind

Date:

26-Dec-2012 12:27:18

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 5 Dalapon

|             |       |       |       |         |        |  |
|-------------|-------|-------|-------|---------|--------|--|
| 1           | 1.245 | 1.245 | 0.000 | 5215838 | 0.0114 |  |
| 2           | 1.372 | 1.371 | 0.001 | 1846844 | 0.0127 |  |
| RPD = 10.86 |       |       |       |         |        |  |

## \$ 4 2,4-Dichlorophenylacetic acid

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 6.977 | 6.975 | 0.002 | 3804267 | 0.0255 |  |
| 2          | 7.608 | 7.607 | 0.001 | 1560159 | 0.0251 |  |
| RPD = 1.53 |       |       |       |         |        |  |

## 6 Dicamba

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 7.143 | 7.141 | 0.002 | 7671182 | 0.0124 |  |
| 2          | 7.773 | 7.773 | 0.000 | 3028451 | 0.0118 |  |
| RPD = 4.72 |       |       |       |         |        |  |

## 10 MCPP

|            |       |       |       |         |      |  |
|------------|-------|-------|-------|---------|------|--|
| 1          | 7.427 | 7.425 | 0.002 | 1907442 | 1.28 |  |
| 2          | 7.960 | 7.960 | 0.000 | 747180  | 1.35 |  |
| RPD = 5.74 |       |       |       |         |      |  |

## 9 MCPA

|            |       |       |       |         |      |  |
|------------|-------|-------|-------|---------|------|--|
| 1          | 7.591 | 7.588 | 0.003 | 2825186 | 1.30 |  |
| 2          | 8.212 | 8.210 | 0.002 | 1118789 | 1.33 |  |
| RPD = 2.69 |       |       |       |         |      |  |

## 7 Dichlorprop

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 7.962 | 7.959 | 0.003 | 3622634 | 0.0262 |  |
| 2          | 8.572 | 8.569 | 0.003 | 1345483 | 0.0255 |  |
| RPD = 2.50 |       |       |       |         |        |  |

## 2 2,4-D

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 8.204 | 8.197 | 0.007 | 3297805 | 0.0219 |  |
| 2          | 8.927 | 8.925 | 0.002 | 1454143 | 0.0235 |  |
| RPD = 6.81 |       |       |       |         |        |  |

Data File: \\NCCchrom\ChromData\A2HP1\20121224-16161.b\P1000032.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 Pentachlorophenol 1

1 8.287

2 9.217

12 Silvex (2,4,5-TP)

1 9.077 9.074 0.003 4172927 0.005466

2 9.862 9.860 0.002 1603579 0.005648

RPD = 3.28

1 2,4,5-T

1 9.397 9.390 0.007 3040985 0.004954

2 10.340 10.338 0.002 1321192 0.005446

RPD = 9.45

3 2,4-DB

1 10.027 10.019 0.008 1292699 0.0202

2 10.990 10.985 0.005 584403 0.0220

RPD = 8.30

8 Dinoseb M

1 11.228 11.226 0.002 1812419 0.003583

2 11.362 11.362 0.000 679549 0.003514 M

RPD = 1.93

#### QC Flag Legend

##### Processing Flags

1 - Missing Peaks

##### Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 13:46:32

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP1\20121224-16161.b\P1000032.D

Injection Date: 25-Dec-2012 03:04:18

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70037

Lims Sample ID: 32

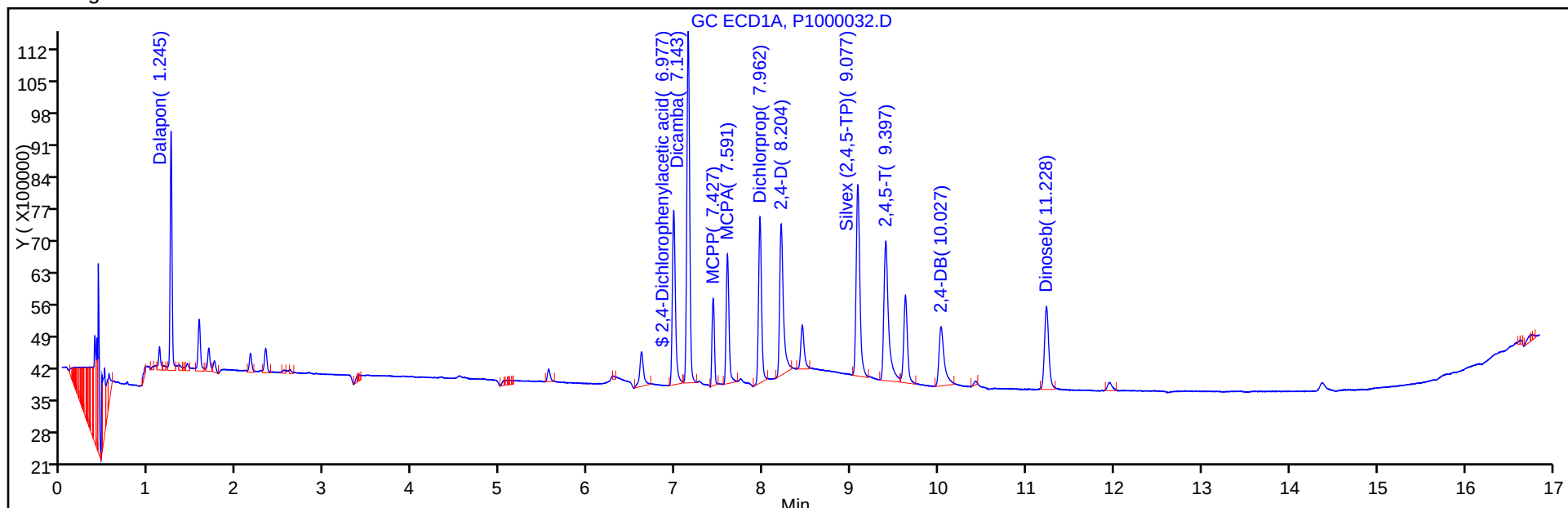
Operator ID: 001754

Injection Vol: 1.0 ul

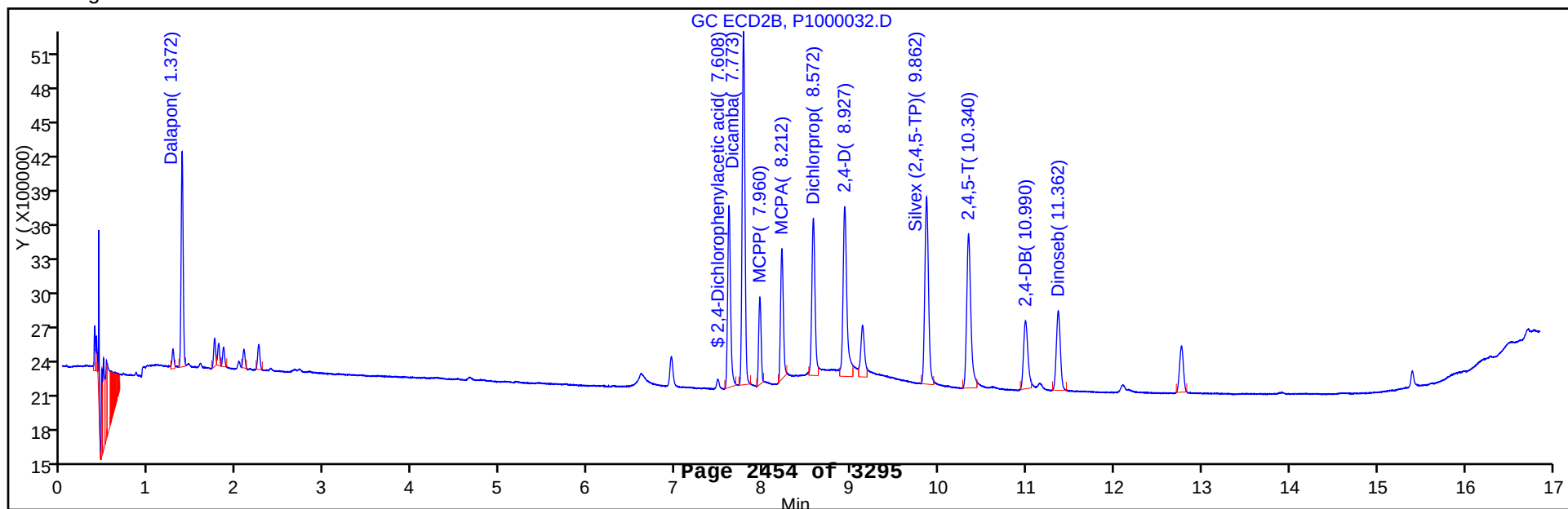
Column Type:

Column Dia:

Y Scaling:



Y Scaling:





## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000032.D

Injection Date: 25-Dec-2012 03:04:18

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70037

Lims Sample ID: 32

Operator ID: 001754

Injection Vol: 1.0 ul

Column Type:

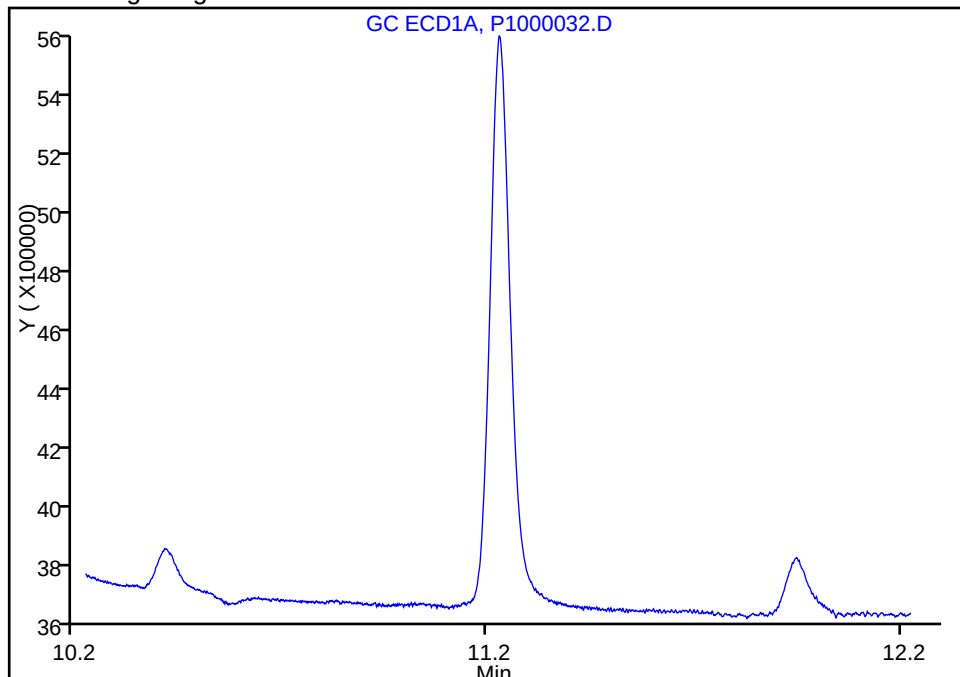
Column Dia:

8 Dinoseb, Signal: 1, Type: quant, RT: 11.23, Det: GC ECD1A

Not Detected

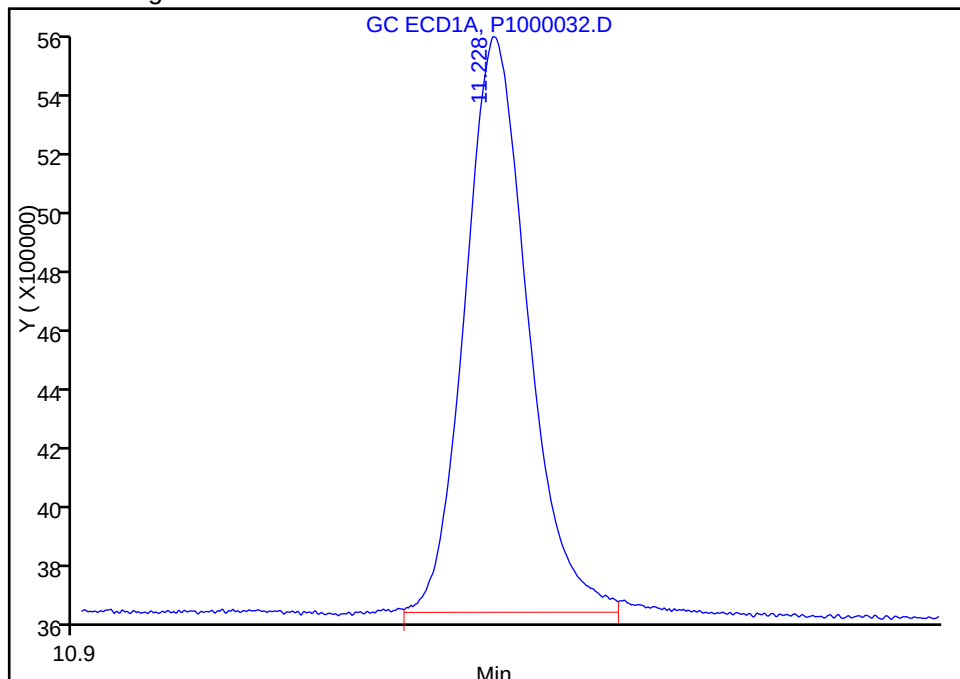
Expected RT: 11.23

## Processing Integration Results



## Manual Integration Results

RT: 11.23  
Response: 1812419  
Amount: 0.003583



Reviewer: bolgrind, 26-Dec-2012 12:27:18

Audit Action: Assigned Compound ID

Audit Reason: Baseline Event

FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-70037/32

Matrix: Water Lab File ID: P1000032.D

Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_

Extraction Method: \_\_\_\_\_ Date Extracted: \_\_\_\_\_

Sample wt/vol: 1(mL) Date Analyzed: 12/25/2012 03:04

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N

Analysis Batch No.: 70037 Units: ng/uL

| CAS NO.   | COMPOUND NAME     | RESULT   | Q | LOQ     | LOD      | DL       |
|-----------|-------------------|----------|---|---------|----------|----------|
| 94-75-7   | 2,4-D             | 0.0235   |   | 0.0040  | 0.00050  | 0.00041  |
| 75-99-0   | Dalapon           | 0.0127   |   | 0.0020  | 0.00020  | 0.00017  |
| 94-82-6   | 2,4-DB            | 0.0220   |   | 0.0040  | 0.0010   | 0.00069  |
| 1918-00-9 | Dicamba           | 0.0118   |   | 0.0020  | 0.0010   | 0.00052  |
| 120-36-5  | Dichlorprop       | 0.0255   |   | 0.0040  | 0.0010   | 0.00086  |
| 88-85-7   | Dinoseb           | 0.00351  | M | 0.00060 | 0.00020  | 0.000087 |
| 94-74-6   | MCPA              | 1.33     | ^ | 0.40    | 0.40     | 0.39     |
| 93-65-2   | MCPP              | 1.35     | ^ | 0.40    | 0.40     | 0.40     |
| 87-86-5   | Pentachlorophenol | 0.000040 | U | 0.00010 | 0.000040 | 0.000024 |
| 93-72-1   | Silvex (2,4,5-TP) | 0.00565  |   | 0.0010  | 0.00020  | 0.00020  |
| 93-76-5   | 2,4,5-T           | 0.00545  |   | 0.0010  | 0.00050  | 0.00030  |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 126  | Q | 32-112 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000032.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 25-Dec-2012 03:04:18 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016161-032  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 32  
 Lims Batch ID: 70037 Lims Sample ID: 32  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151\_1.m  
 Last Update: 26-Dec-2012 13:46:31 Calib Date: 03-Dec-2012 19:52:08  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK029

First Level Reviewer: bolgrind

Date:

26-Dec-2012 12:27:18

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 5 Dalapon

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 1.245 | 1.245 | 0.000 | 5215838 | 0.0114 |
| 2 | 1.372 | 1.371 | 0.001 | 1846844 | 0.0127 |

RPD = 10.86

## \$ 4 2,4-Dichlorophenylacetic acid

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 6.977 | 6.975 | 0.002 | 3804267 | 0.0255 |
| 2 | 7.608 | 7.607 | 0.001 | 1560159 | 0.0251 |

RPD = 1.53

## 6 Dicamba

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 7.143 | 7.141 | 0.002 | 7671182 | 0.0124 |
| 2 | 7.773 | 7.773 | 0.000 | 3028451 | 0.0118 |

RPD = 4.72

## 10 MCPP

|   |       |       |       |         |      |
|---|-------|-------|-------|---------|------|
| 1 | 7.427 | 7.425 | 0.002 | 1907442 | 1.28 |
| 2 | 7.960 | 7.960 | 0.000 | 747180  | 1.35 |

RPD = 5.74

## 9 MCPA

|   |       |       |       |         |      |
|---|-------|-------|-------|---------|------|
| 1 | 7.591 | 7.588 | 0.003 | 2825186 | 1.30 |
| 2 | 8.212 | 8.210 | 0.002 | 1118789 | 1.33 |

RPD = 2.69

## 7 Dichlorprop

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 7.962 | 7.959 | 0.003 | 3622634 | 0.0262 |
| 2 | 8.572 | 8.569 | 0.003 | 1345483 | 0.0255 |

RPD = 2.50

## 2 2,4-D

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 8.204 | 8.197 | 0.007 | 3297805 | 0.0219 |
| 2 | 8.927 | 8.925 | 0.002 | 1454143 | 0.0235 |

RPD = 6.81

Data File: \\NCCchrom\ChromData\A2HP1\20121224-16161.b\1000032.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 Pentachlorophenol 1

1 8.287

2 9.217

12 Silvex (2,4,5-TP)

1 9.077 9.074 0.003 4172927 0.005466

2 9.862 9.860 0.002 1603579 0.005648

RPD = 3.28

1 2,4,5-T

1 9.397 9.390 0.007 3040985 0.004954

2 10.340 10.338 0.002 1321192 0.005446

RPD = 9.45

3 2,4-DB

1 10.027 10.019 0.008 1292699 0.0202

2 10.990 10.985 0.005 584403 0.0220

RPD = 8.30

8 Dinoseb M

1 11.228 11.226 0.002 1812419 0.003583

2 11.362 11.362 0.000 679549 0.003514 M

RPD = 1.93

#### QC Flag Legend

##### Processing Flags

1 - Missing Peaks

##### Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 13:46:32

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCrom\ChromData\A2HP1\20121224-16161.b\P1000032.D

Injection Date: 25-Dec-2012 03:04:18

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70037

Lims Sample ID: 32

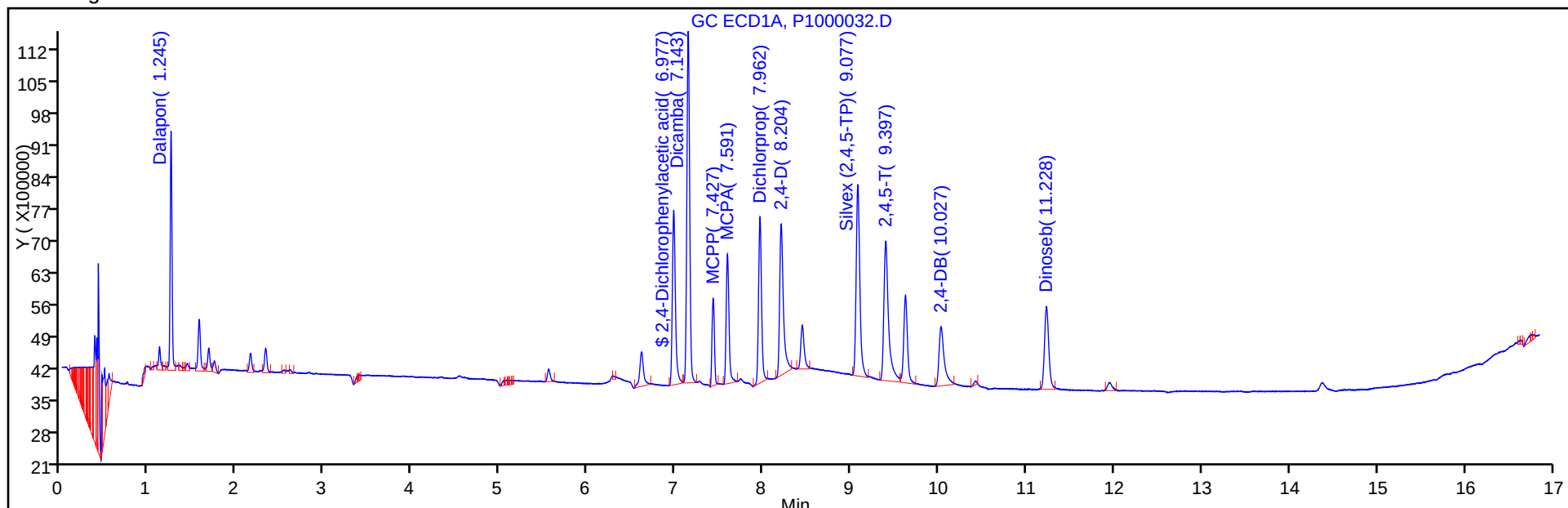
Operator ID: 001754

Injection Vol: 1.0 ul

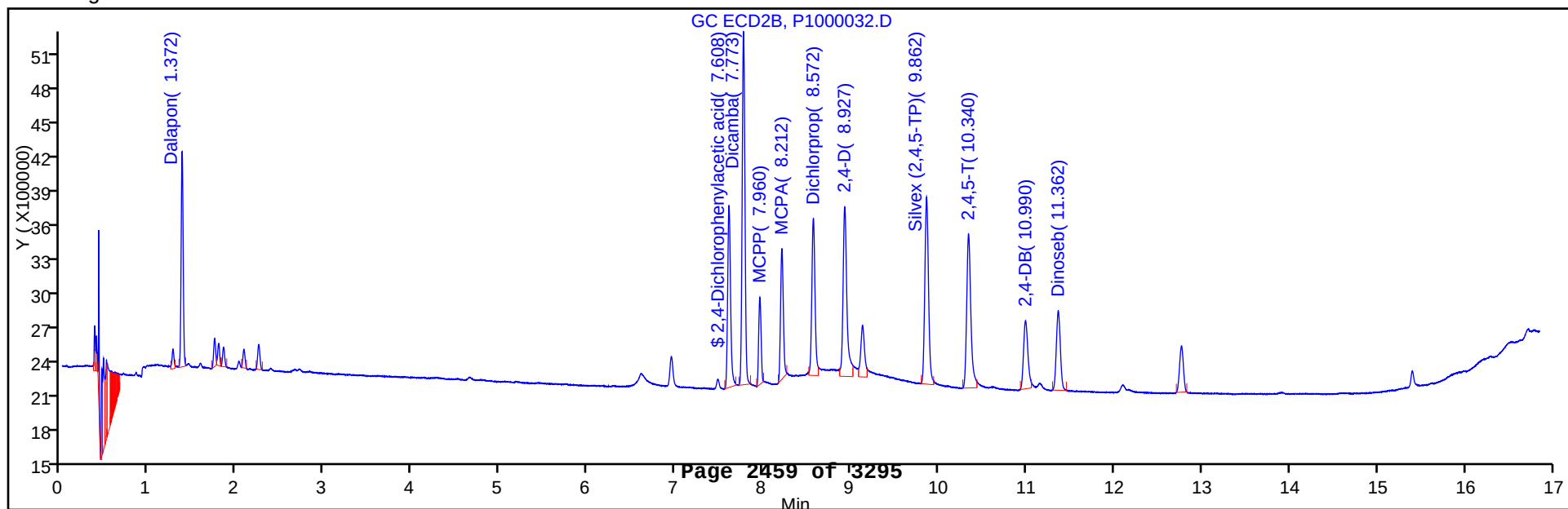
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121224-16161.b\P1000032.D

Injection Date: 25-Dec-2012 03:04:18

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70037

Lims Sample ID: 32

Operator ID: 001754

Injection Vol: 1.0 ul

Column Type:

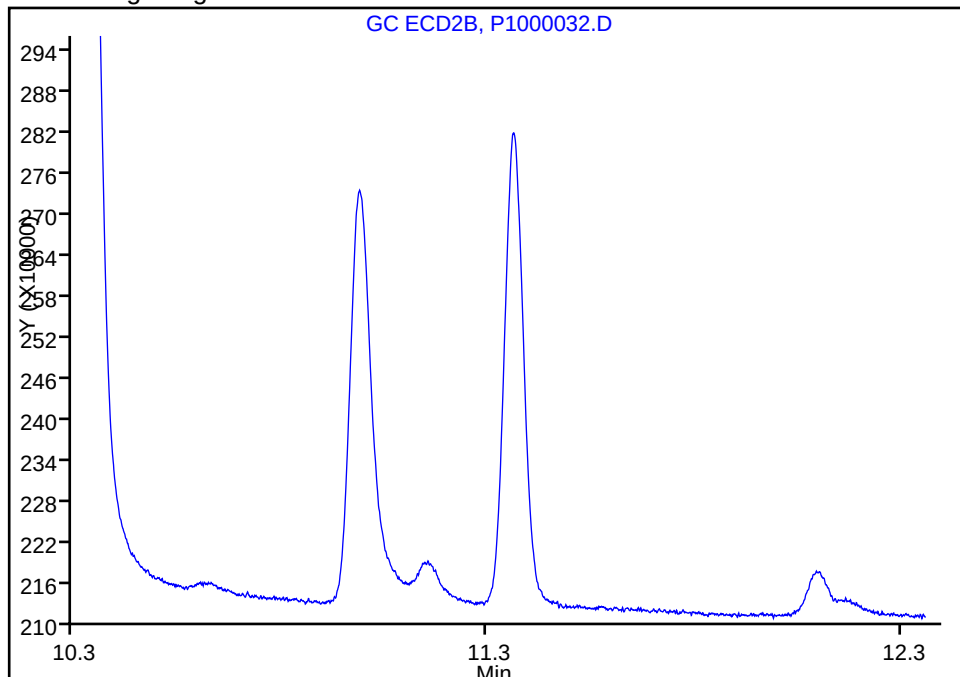
Column Dia:

8 Dinoseb, Signal: 2, Type: quant, RT: 11.36, Det: GC ecd2b

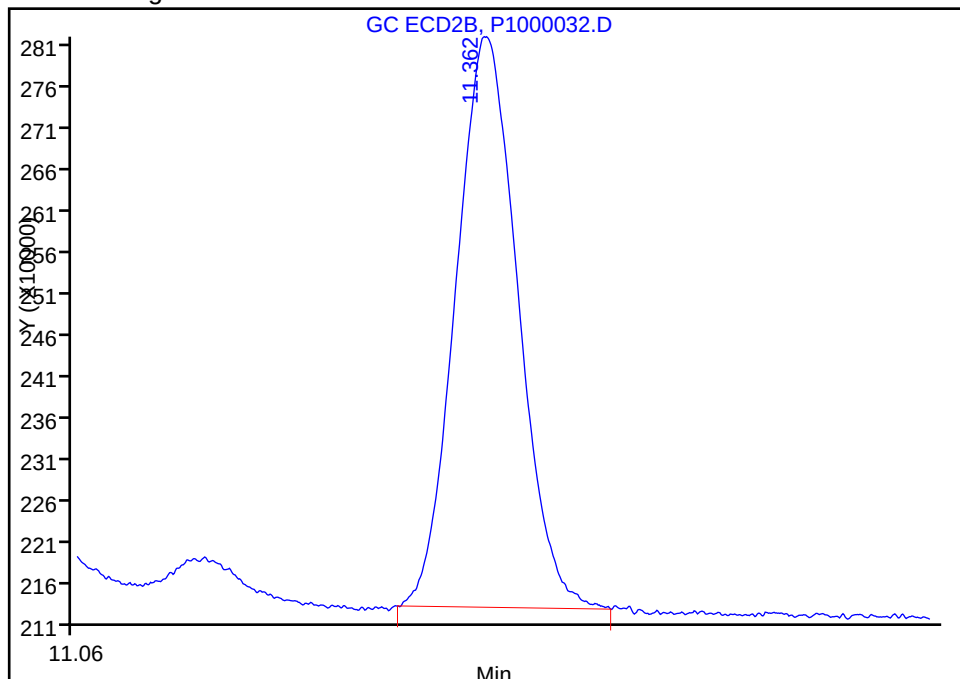
Not Detected

Expected RT: 11.36

## Processing Integration Results



## Manual Integration Results



RT: 11.36

Response: 679549

Amount: 0.003514

Reviewer: bolgrind, 26-Dec-2012 12:27:18

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-70766/23  
 Matrix: Solid Lab File ID: P1000023.D  
 Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
 Extraction Method: \_\_\_\_\_ Date Extracted: \_\_\_\_\_  
 Sample wt/vol: 1(mL) Date Analyzed: 12/31/2012 21:56  
 Con. Extract Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 70766 Units: ng/uL

| CAS NO. | COMPOUND NAME     | RESULT  | Q | LOQ  | LOD     | DL      |
|---------|-------------------|---------|---|------|---------|---------|
| 94-75-7 | 2,4-D             | 0.0177  | J | 0.50 | 0.00050 | 0.00041 |
| 93-72-1 | Silvex (2,4,5-TP) | 0.00474 | J | 0.10 | 0.00020 | 0.00020 |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 107  |   | 37-116 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000023.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 31-Dec-2012 21:56:49 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016320-023  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 23  
 Lims Batch ID: 70766 Lims Sample ID: 23  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151\_1.m  
 Last Update: 02-Jan-2013 09:45:13 Calib Date: 31-Dec-2012 16:50:57  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK005

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 5 Dalapon

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 1.237 | 1.237 | 0.000 | 4843086 | 0.0106 |  |
| 2          | 1.376 | 1.375 | 0.001 | 1499451 | 0.0103 |  |
| RPD = 2.56 |       |       |       |         |        |  |

## \$ 4 2,4-Dichlorophenylacetic acid

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 6.963 | 6.961 | 0.002 | 3194633 | 0.0214 |  |
| 2          | 7.614 | 7.613 | 0.001 | 1306595 | 0.0210 |  |
| RPD = 1.80 |       |       |       |         |        |  |

## 6 Dicamba

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 7.128 | 7.127 | 0.001 | 7072014 | 0.0114 |  |
| 2          | 7.779 | 7.779 | 0.000 | 2770302 | 0.0108 |  |
| RPD = 5.49 |       |       |       |         |        |  |

## 10 MCPP

|             |       |       |       |         |        |  |
|-------------|-------|-------|-------|---------|--------|--|
| 1           | 7.412 | 7.411 | 0.001 | 1709184 | 0.9038 |  |
| 2           | 7.966 | 7.964 | 0.002 | 679297  | 1.05   |  |
| RPD = 15.10 |       |       |       |         |        |  |

## 9 MCPA

|             |       |       |       |         |        |  |
|-------------|-------|-------|-------|---------|--------|--|
| 1           | 7.576 | 7.573 | 0.003 | 2472096 | 0.7530 |  |
| 2           | 8.218 | 8.216 | 0.002 | 1033874 | 1.01   |  |
| RPD = 28.87 |       |       |       |         |        |  |

## 7 Dichlorprop

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 7.948 | 7.945 | 0.003 | 3010101 | 0.0217 |  |
| 2          | 8.578 | 8.575 | 0.003 | 1120676 | 0.0213 |  |
| RPD = 2.26 |       |       |       |         |        |  |

## 2 2,4-D

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 8.191 | 8.185 | 0.006 | 2664450 | 0.0177 |  |
| 2          | 8.938 | 8.933 | 0.005 | 1159389 | 0.0187 |  |
| RPD = 5.49 |       |       |       |         |        |  |



Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000023.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 Pentachlorophenol 1

1 8.274

2 9.226

12 Silvex (2,4,5-TP)

1 9.064 9.060 0.004 3619436 0.004741

2 9.871 9.869 0.002 1334626 0.004701

RPD = 0.85

1 2,4,5-T

1 9.382 9.376 0.006 2502696 0.004077

2 10.352 10.347 0.005 1077363 0.004441

RPD = 8.53

3 2,4-DB

1 10.017 10.007 0.010 1138165 0.0178

2 11.002 10.999 0.003 474589 0.0179

RPD = 0.22

8 Dinoseb

1 11.212 11.206 0.006 1497492 0.002960

2 11.374 11.373 0.001 542223 0.002804

RPD = 5.42

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\P1000023.D

Injection Date: 31-Dec-2012 21:56:49

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70766

Lims Sample ID: 23

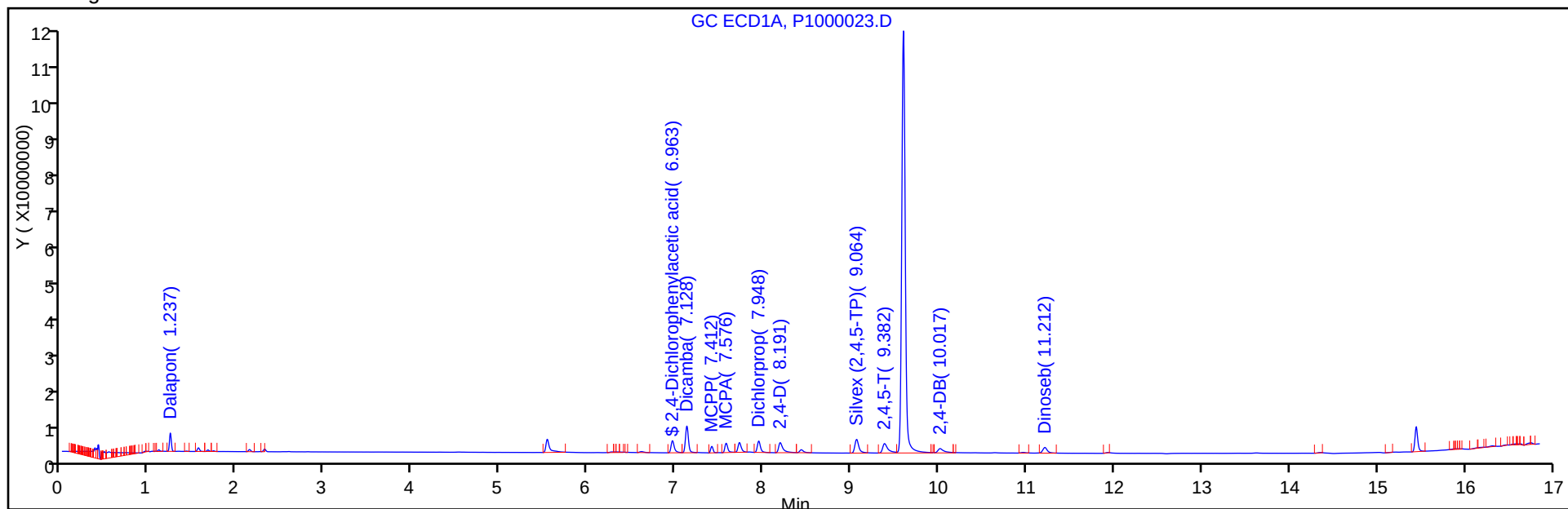
Operator ID: 001754

Injection Vol: 1.0 ul

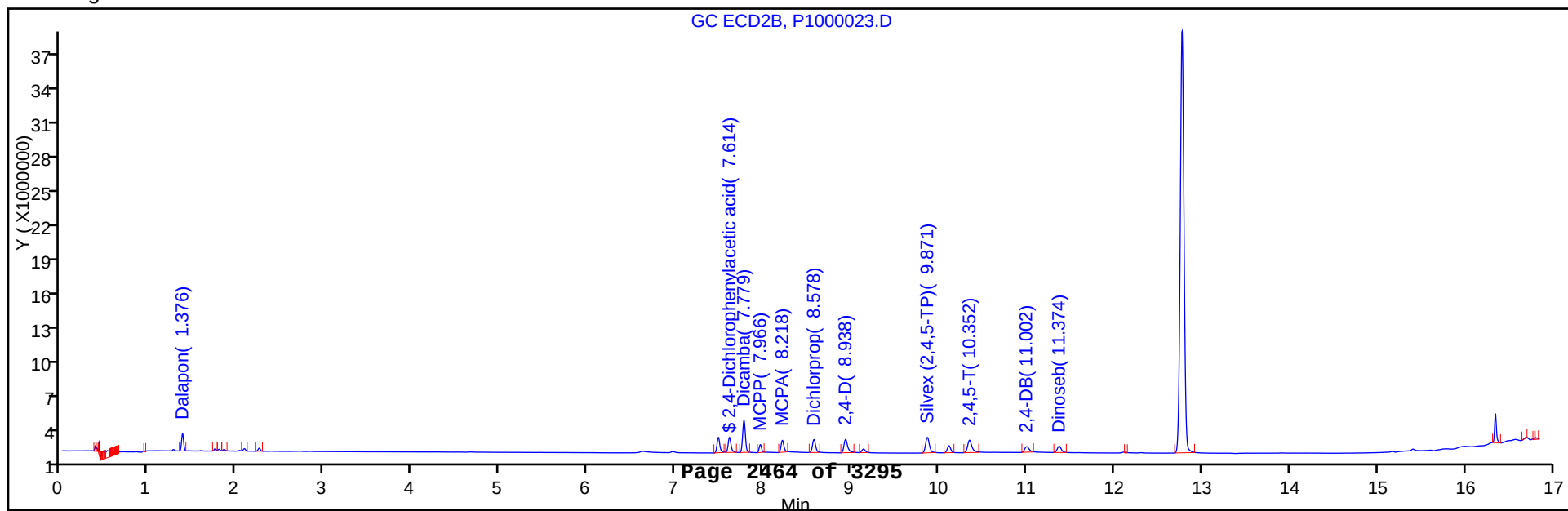
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-70766/23  
 Matrix: Solid Lab File ID: P1000023.D  
 Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
 Extraction Method: \_\_\_\_\_ Date Extracted: \_\_\_\_\_  
 Sample wt/vol: 1(mL) Date Analyzed: 12/31/2012 21:56  
 Con. Extract Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 70766 Units: ng/uL

| CAS NO. | COMPOUND NAME     | RESULT  | Q | LOQ  | LOD     | DL      |
|---------|-------------------|---------|---|------|---------|---------|
| 94-75-7 | 2,4-D             | 0.0187  | J | 0.50 | 0.00050 | 0.00041 |
| 93-72-1 | Silvex (2,4,5-TP) | 0.00470 | J | 0.10 | 0.00020 | 0.00020 |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 105  |   | 37-116 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000023.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 31-Dec-2012 21:56:49 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016320-023  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 23  
 Lims Batch ID: 70766 Lims Sample ID: 23  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151\_1.m  
 Last Update: 02-Jan-2013 09:45:13 Calib Date: 31-Dec-2012 16:50:57  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK005

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 5 Dalapon

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 1.237 | 1.237 | 0.000 | 4843086 | 0.0106 |  |
| 2          | 1.376 | 1.375 | 0.001 | 1499451 | 0.0103 |  |
| RPD = 2.56 |       |       |       |         |        |  |

## \$ 4 2,4-Dichlorophenylacetic acid

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 6.963 | 6.961 | 0.002 | 3194633 | 0.0214 |  |
| 2          | 7.614 | 7.613 | 0.001 | 1306595 | 0.0210 |  |
| RPD = 1.80 |       |       |       |         |        |  |

## 6 Dicamba

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 7.128 | 7.127 | 0.001 | 7072014 | 0.0114 |  |
| 2          | 7.779 | 7.779 | 0.000 | 2770302 | 0.0108 |  |
| RPD = 5.49 |       |       |       |         |        |  |

## 10 MCPP

|             |       |       |       |         |        |  |
|-------------|-------|-------|-------|---------|--------|--|
| 1           | 7.412 | 7.411 | 0.001 | 1709184 | 0.9038 |  |
| 2           | 7.966 | 7.964 | 0.002 | 679297  | 1.05   |  |
| RPD = 15.10 |       |       |       |         |        |  |

## 9 MCPA

|             |       |       |       |         |        |  |
|-------------|-------|-------|-------|---------|--------|--|
| 1           | 7.576 | 7.573 | 0.003 | 2472096 | 0.7530 |  |
| 2           | 8.218 | 8.216 | 0.002 | 1033874 | 1.01   |  |
| RPD = 28.87 |       |       |       |         |        |  |

## 7 Dichlorprop

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 7.948 | 7.945 | 0.003 | 3010101 | 0.0217 |  |
| 2          | 8.578 | 8.575 | 0.003 | 1120676 | 0.0213 |  |
| RPD = 2.26 |       |       |       |         |        |  |

## 2 2,4-D

|            |       |       |       |         |        |  |
|------------|-------|-------|-------|---------|--------|--|
| 1          | 8.191 | 8.185 | 0.006 | 2664450 | 0.0177 |  |
| 2          | 8.938 | 8.933 | 0.005 | 1159389 | 0.0187 |  |
| RPD = 5.49 |       |       |       |         |        |  |

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000023.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 Pentachlorophenol 1

1 8.274

2 9.226

12 Silvex (2,4,5-TP)

1 9.064 9.060 0.004 3619436 0.004741

2 9.871 9.869 0.002 1334626 0.004701

RPD = 0.85

1 2,4,5-T

1 9.382 9.376 0.006 2502696 0.004077

2 10.352 10.347 0.005 1077363 0.004441

RPD = 8.53

3 2,4-DB

1 10.017 10.007 0.010 1138165 0.0178

2 11.002 10.999 0.003 474589 0.0179

RPD = 0.22

8 Dinoseb

1 11.212 11.206 0.006 1497492 0.002960

2 11.374 11.373 0.001 542223 0.002804

RPD = 5.42

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\P1000023.D

Injection Date: 31-Dec-2012 21:56:49

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70766

Lims Sample ID: 23

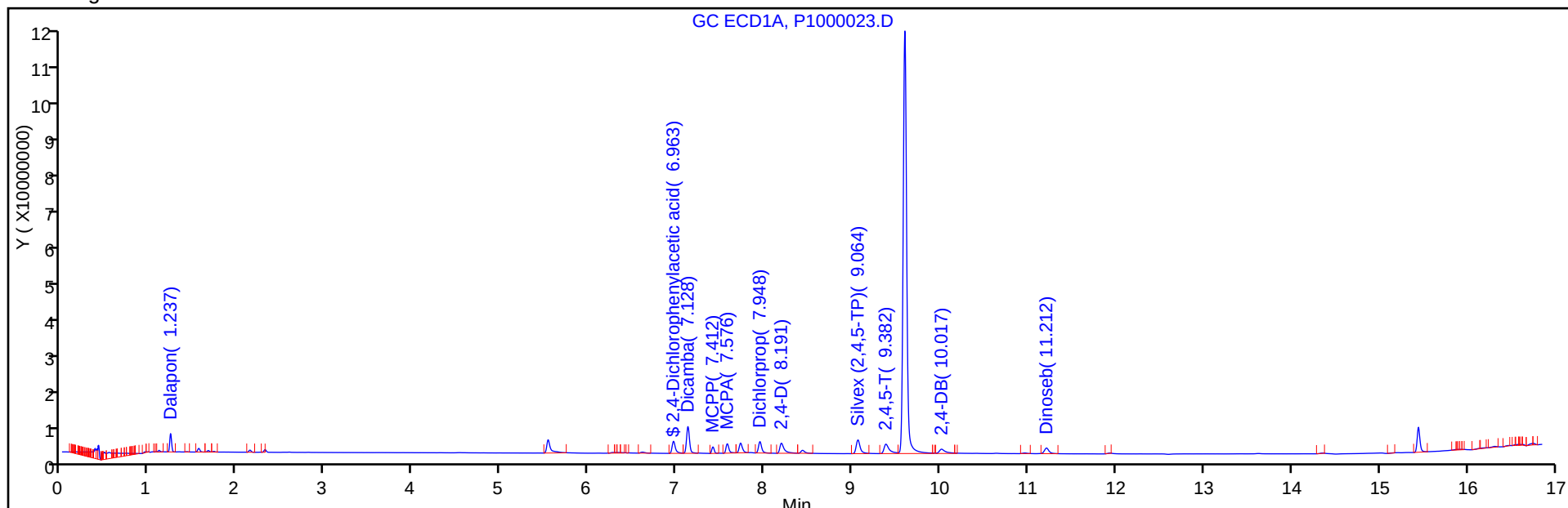
Operator ID: 001754

Injection Vol: 1.0 ul

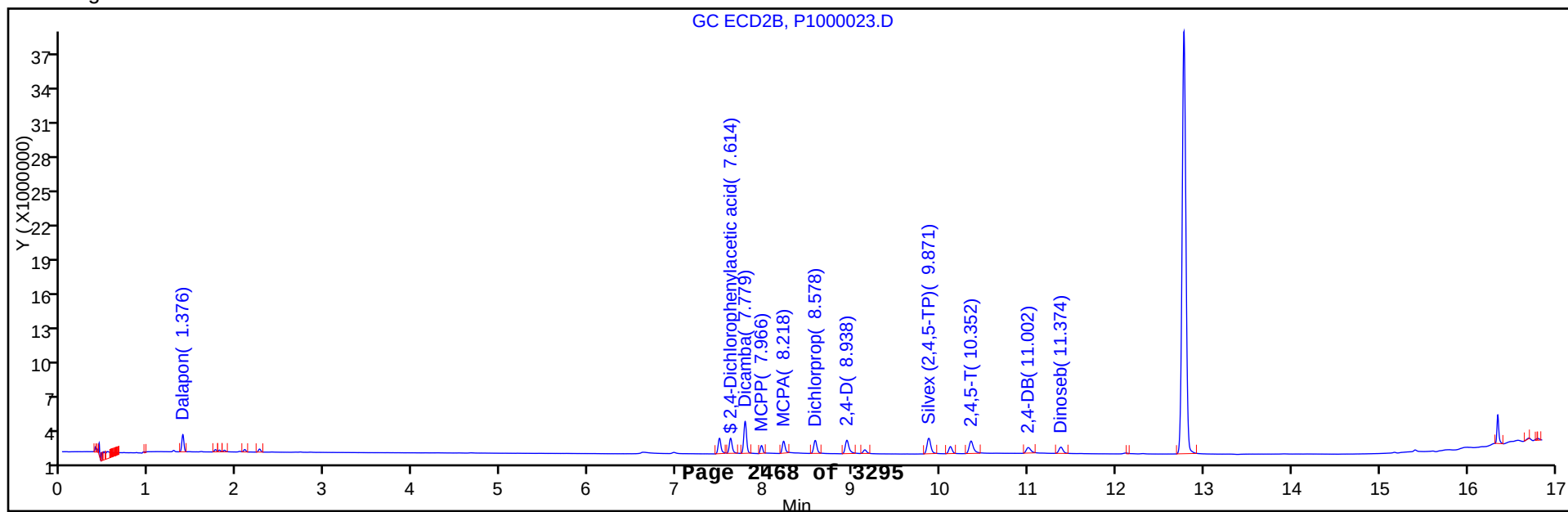
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-70766/42  
 Matrix: Solid Lab File ID: P1000042.D  
 Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
 Extraction Method: \_\_\_\_\_ Date Extracted: \_\_\_\_\_  
 Sample wt/vol: 1(mL) Date Analyzed: 01/01/2013 05:22  
 Con. Extract Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 70766 Units: ng/uL

| CAS NO. | COMPOUND NAME     | RESULT  | Q | LOQ  | LOD     | DL      |
|---------|-------------------|---------|---|------|---------|---------|
| 94-75-7 | 2,4-D             | 0.0218  | J | 0.50 | 0.00050 | 0.00041 |
| 93-72-1 | Silvex (2,4,5-TP) | 0.00550 | J | 0.10 | 0.00020 | 0.00020 |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 123  | Q | 37-116 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\P1000042.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 01-Jan-2013 05:22:21 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016320-042  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 42  
 Lims Batch ID: 70766 Lims Sample ID: 42  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\8151\_1.m  
 Last Update: 02-Jan-2013 09:45:32 Calib Date: 31-Dec-2012 16:50:57  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK005

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 5 Dalapon

|   |       |       |        |         |        |
|---|-------|-------|--------|---------|--------|
| 1 | 1.239 | 1.240 | -0.001 | 4985867 | 0.0109 |
| 2 | 1.379 | 1.378 | 0.001  | 1545188 | 0.0106 |

RPD = 2.46

## \$ 4 2,4-Dichlorophenylacetic acid

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 6.966 | 6.965 | 0.001 | 3666326 | 0.0246 |
| 2 | 7.618 | 7.617 | 0.001 | 1494159 | 0.0241 |

RPD = 2.16

## 6 Dicamba

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 7.132 | 7.132 | 0.000 | 7878060 | 0.0128 |
| 2 | 7.784 | 7.783 | 0.001 | 3072030 | 0.0120 |

RPD = 5.95

## 10 MCPP

|   |       |       |        |         |      |
|---|-------|-------|--------|---------|------|
| 1 | 7.417 | 7.417 | 0.000  | 1856295 | 1.18 |
| 2 | 7.969 | 7.970 | -0.001 | 758305  | 1.40 |

RPD = 17.16

## 9 MCPA

|   |       |       |       |         |      |
|---|-------|-------|-------|---------|------|
| 1 | 7.580 | 7.579 | 0.001 | 2722538 | 1.14 |
| 2 | 8.221 | 8.221 | 0.000 | 1135613 | 1.40 |

RPD = 20.38

## 7 Dichlorprop

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 7.950 | 7.949 | 0.001 | 3461511 | 0.0250 |
| 2 | 8.580 | 8.579 | 0.001 | 1263100 | 0.0240 |

RPD = 4.27

## 2 2,4-D

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 8.193 | 8.188 | 0.005 | 3276082 | 0.0218 |
| 2 | 8.940 | 8.937 | 0.003 | 1346279 | 0.0217 |

RPD = 0.23



Data File: \\NCCchrom\ChromData\A2HP1\20121231-16320.b\P1000042.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 Pentachlorophenol 1

1 8.276

2 9.230

12 Silvex (2,4,5-TP)

1 9.064 9.062 0.002 4196128 0.005496

2 9.875 9.873 0.002 1504043 0.005298

RPD = 3.68

1 2,4,5-T

1 9.380 9.377 0.003 3159691 0.005148

2 10.352 10.350 0.002 1261730 0.005201

RPD = 1.02

3 2,4-DB

1 10.009 10.004 0.005 1482196 0.0232

2 11.005 11.000 0.005 634166 0.0239

RPD = 2.80

8 Dinoseb

1 11.214 11.210 0.004 1775279 0.003509

2 11.379 11.377 0.002 661758 0.003422

RPD = 2.52

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\P1000042.D

Injection Date: 01-Jan-2013 05:22:21

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70766

Lims Sample ID: 42

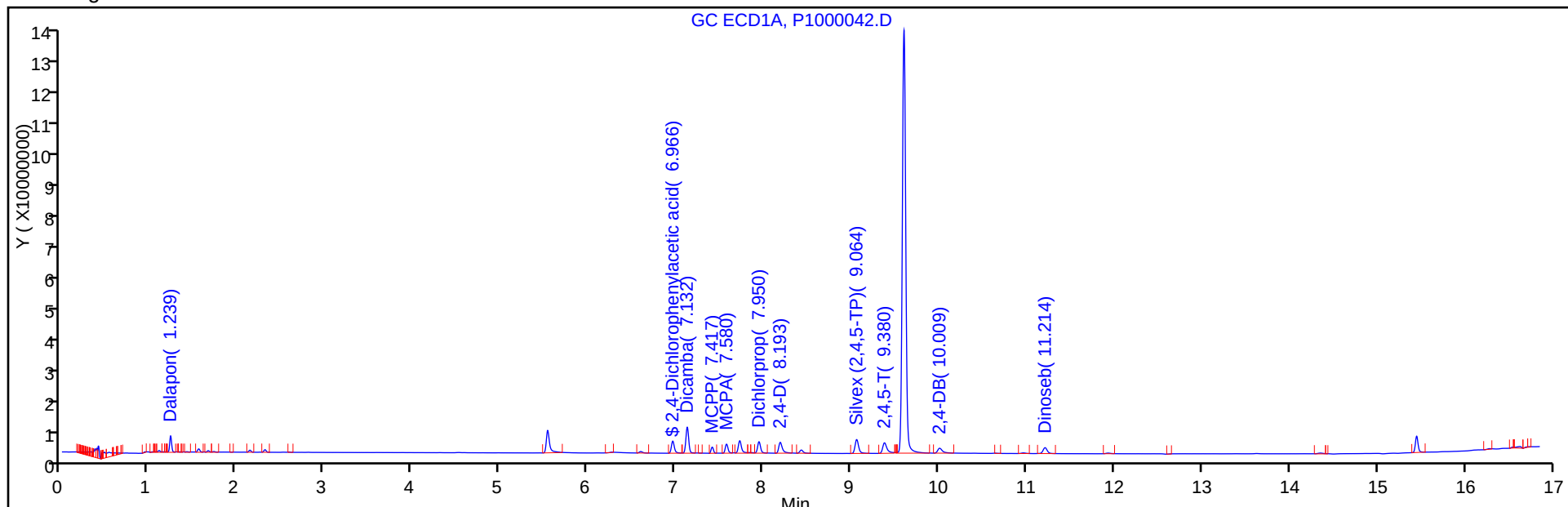
Operator ID: 001754

Injection Vol: 1.0 ul

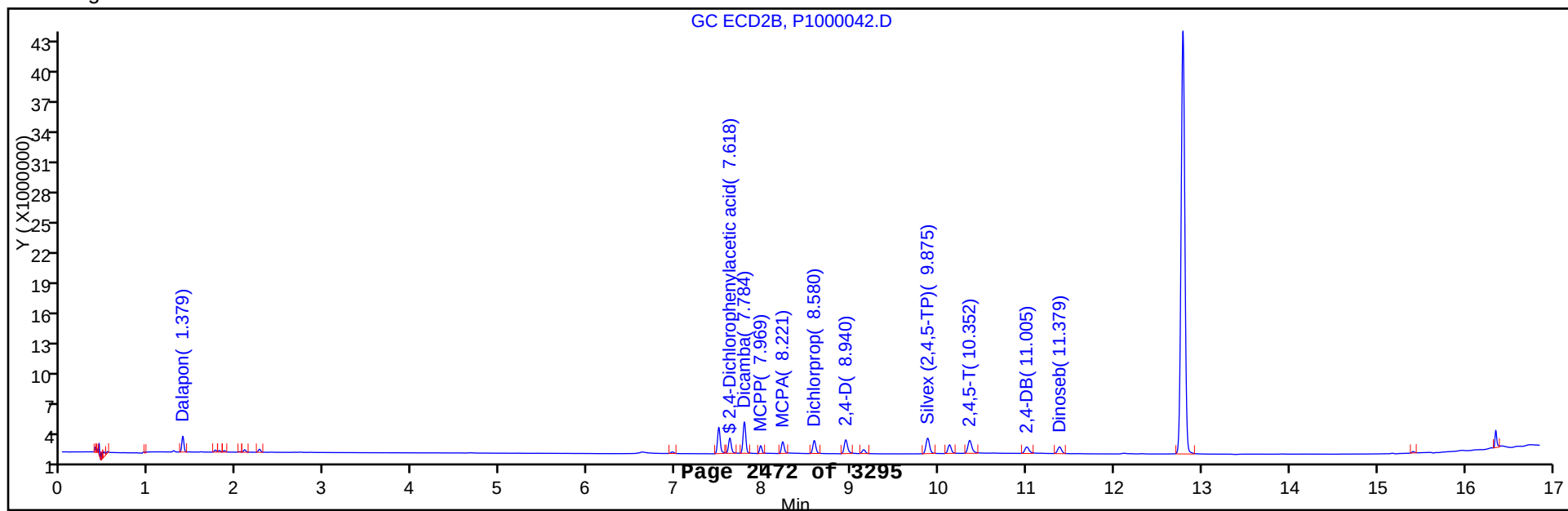
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-70766/42  
 Matrix: Solid Lab File ID: P1000042.D  
 Analysis Method: 8151/DOD Date Collected: \_\_\_\_\_  
 Extraction Method: \_\_\_\_\_ Date Extracted: \_\_\_\_\_  
 Sample wt/vol: 1(mL) Date Analyzed: 01/01/2013 05:22  
 Con. Extract Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 70766 Units: ng/uL

| CAS NO. | COMPOUND NAME     | RESULT  | Q | LOQ  | LOD     | DL      |
|---------|-------------------|---------|---|------|---------|---------|
| 94-75-7 | 2,4-D             | 0.0217  | J | 0.50 | 0.00050 | 0.00041 |
| 93-72-1 | Silvex (2,4,5-TP) | 0.00530 | J | 0.10 | 0.00020 | 0.00020 |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 120  | Q | 37-116 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000042.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 01-Jan-2013 05:22:21 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016320-042  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 42  
 Lims Batch ID: 70766 Lims Sample ID: 42  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151\_1.m  
 Last Update: 02-Jan-2013 09:45:32 Calib Date: 31-Dec-2012 16:50:57  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK005

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## 5 Dalapon

|   |       |       |        |         |        |
|---|-------|-------|--------|---------|--------|
| 1 | 1.239 | 1.240 | -0.001 | 4985867 | 0.0109 |
| 2 | 1.379 | 1.378 | 0.001  | 1545188 | 0.0106 |

RPD = 2.46

## \$ 4 2,4-Dichlorophenylacetic acid

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 6.966 | 6.965 | 0.001 | 3666326 | 0.0246 |
| 2 | 7.618 | 7.617 | 0.001 | 1494159 | 0.0241 |

RPD = 2.16

## 6 Dicamba

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 7.132 | 7.132 | 0.000 | 7878060 | 0.0128 |
| 2 | 7.784 | 7.783 | 0.001 | 3072030 | 0.0120 |

RPD = 5.95

## 10 MCPP

|   |       |       |        |         |      |
|---|-------|-------|--------|---------|------|
| 1 | 7.417 | 7.417 | 0.000  | 1856295 | 1.18 |
| 2 | 7.969 | 7.970 | -0.001 | 758305  | 1.40 |

RPD = 17.16

## 9 MCPA

|   |       |       |       |         |      |
|---|-------|-------|-------|---------|------|
| 1 | 7.580 | 7.579 | 0.001 | 2722538 | 1.14 |
| 2 | 8.221 | 8.221 | 0.000 | 1135613 | 1.40 |

RPD = 20.38

## 7 Dichlorprop

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 7.950 | 7.949 | 0.001 | 3461511 | 0.0250 |
| 2 | 8.580 | 8.579 | 0.001 | 1263100 | 0.0240 |

RPD = 4.27

## 2 2,4-D

|   |       |       |       |         |        |
|---|-------|-------|-------|---------|--------|
| 1 | 8.193 | 8.188 | 0.005 | 3276082 | 0.0218 |
| 2 | 8.940 | 8.937 | 0.003 | 1346279 | 0.0217 |

RPD = 0.23

Data File: \\NCCchrom\ChromData\A2HP1\20121231-16320.b\P1000042.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 Pentachlorophenol 1

1 8.276

2 9.230

12 Silvex (2,4,5-TP)

1 9.064 9.062 0.002 4196128 0.005496

2 9.875 9.873 0.002 1504043 0.005298

RPD = 3.68

1 2,4,5-T

1 9.380 9.377 0.003 3159691 0.005148

2 10.352 10.350 0.002 1261730 0.005201

RPD = 1.02

3 2,4-DB

1 10.009 10.004 0.005 1482196 0.0232

2 11.005 11.000 0.005 634166 0.0239

RPD = 2.80

8 Dinoseb

1 11.214 11.210 0.004 1775279 0.003509

2 11.379 11.377 0.002 661758 0.003422

RPD = 2.52

#### QC Flag Legend

#### Processing Flags

1 - Missing Peaks

Report Date: 02-Jan-2013 09:45:34

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\P1000042.D

Injection Date: 01-Jan-2013 05:22:21

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70766

Lims Sample ID: 42

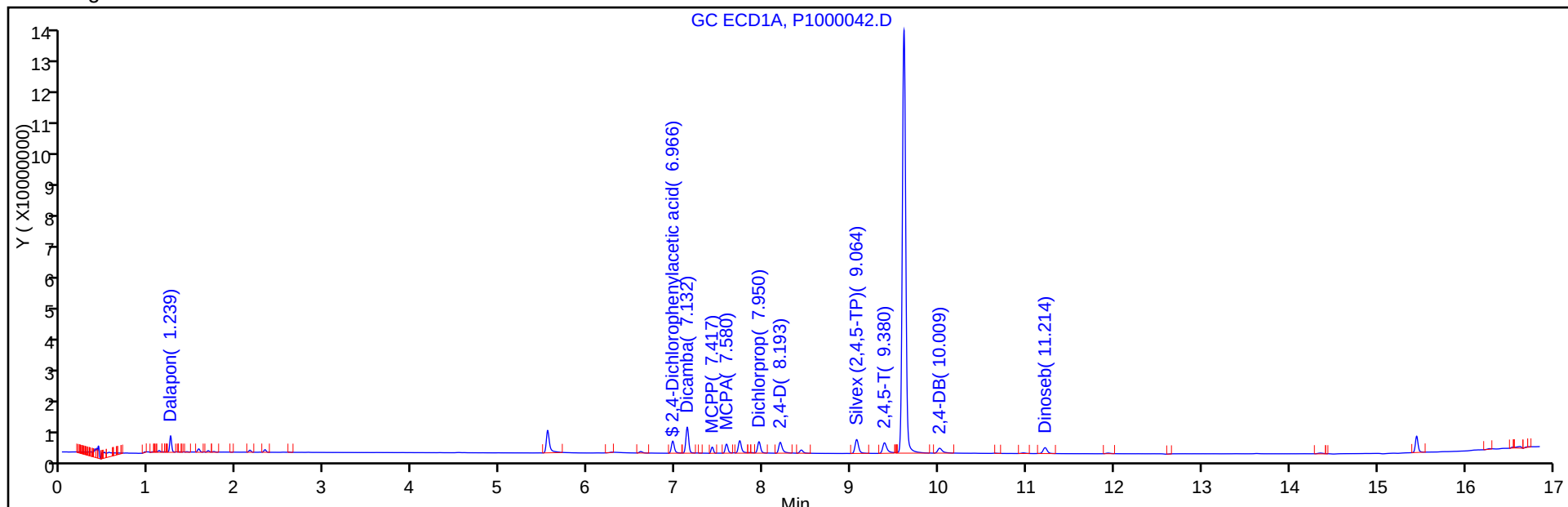
Operator ID: 001754

Injection Vol: 1.0 ul

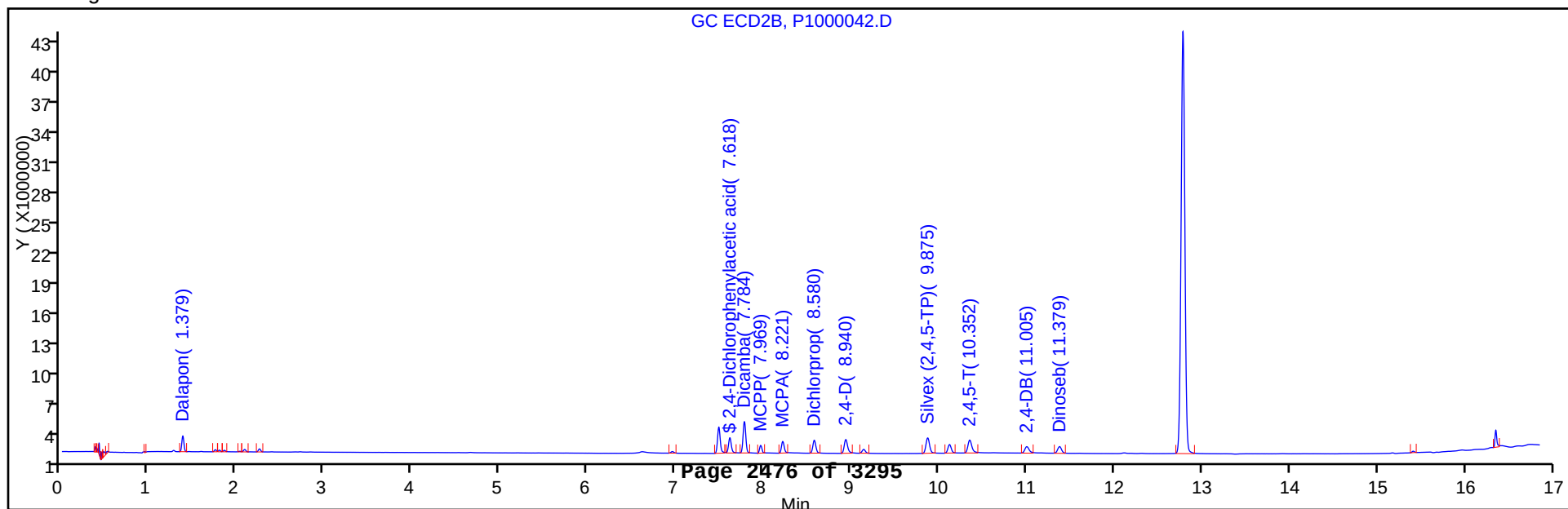
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Client Sample ID: 070-0058-0001-IDW MS Lab Sample ID: 240-18735-5 MS  
Matrix: Solid (TCLP) Lab File ID: P1000030.D  
Analysis Method: 8151/DOD Date Collected: 12/12/2012 13:30  
Extraction Method: 8151A Date Extracted: 12/24/2012 10:38  
Sample wt/vol: 100 (mL) Date Analyzed: 01/01/2013 00:41  
Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 70766 Units: mg/L

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 70   |   | 37-116 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000030.D  
 Lims ID: 240-18735-C-5-M MS Client ID:  
 Inject. Date: 01-Jan-2013 00:41:03 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 240-0016320-030  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 30  
 Lims Batch ID: 70766 Lims Sample ID: 30  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151\_1.m  
 Last Update: 07-Jan-2013 13:46:48 Calib Date: 31-Dec-2012 16:50:57  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK030

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## \$ 4 2,4-Dichlorophenylacetic acid

|   |       |       |       |          |            |  |
|---|-------|-------|-------|----------|------------|--|
| 1 | 6.966 | 6.961 | 0.005 | 20883461 | 0.1401     |  |
| 2 | 7.614 | 7.613 | 0.001 | 9479431  | 0.1527     |  |
|   |       |       |       |          | RPD = 8.61 |  |

## 2 2,4-D

|   |       |       |        |          |            |  |
|---|-------|-------|--------|----------|------------|--|
| 1 | 8.183 | 8.185 | -0.002 | 24613903 | 0.1635     |  |
| 2 | 8.934 | 8.933 | 0.001  | 9190180  | 0.1482     |  |
|   |       |       |        |          | RPD = 9.81 |  |

## 11 Pentachlorophenol

|   |  |       |  |  |  |   |
|---|--|-------|--|--|--|---|
| 1 |  | 8.274 |  |  |  | 1 |
| 2 |  | 9.226 |  |  |  |   |

## 12 Silvex (2,4,5-TP)

|   |       |       |        |          |            |  |
|---|-------|-------|--------|----------|------------|--|
| 1 | 9.058 | 9.060 | -0.002 | 30365815 | 0.0398     |  |
| 2 | 9.870 | 9.869 | 0.001  | 12193616 | 0.0429     |  |
|   |       |       |        |          | RPD = 7.68 |  |

## 1 2,4,5-T

|   |  |        |  |  |  |  |
|---|--|--------|--|--|--|--|
| 1 |  | 9.376  |  |  |  |  |
| 2 |  | 10.347 |  |  |  |  |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks



## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\P1000030.D

Injection Date: 01-Jan-2013 00:41:03

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70766

Lims Sample ID: 30

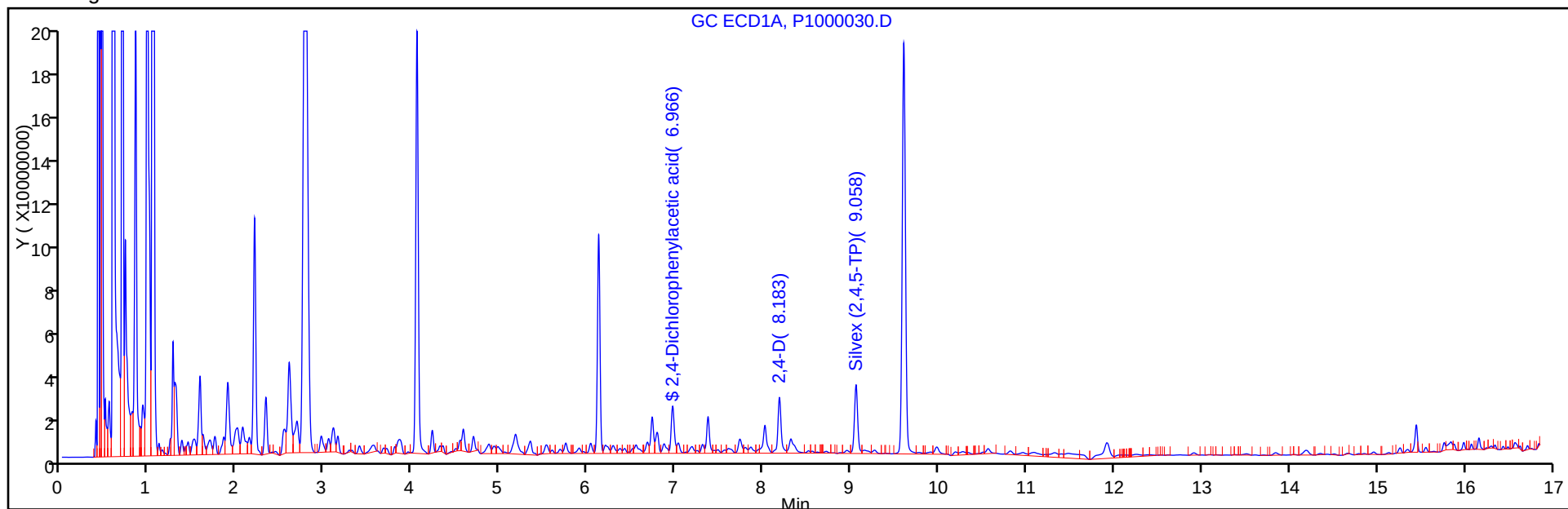
Operator ID: 001754

Injection Vol: 1.0 ul

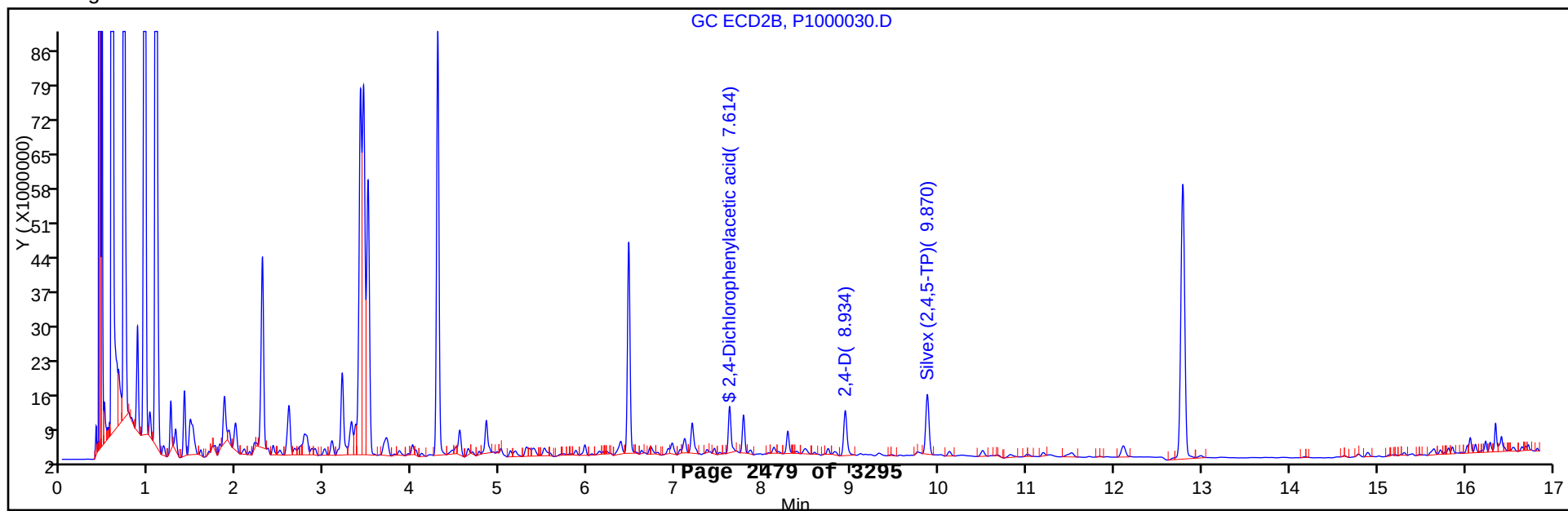
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Client Sample ID: 070-0058-0001-IDW MS Lab Sample ID: 240-18735-5 MS  
Matrix: Solid (TCLP) Lab File ID: P1000030.D  
Analysis Method: 8151/DOD Date Collected: 12/12/2012 13:30  
Extraction Method: 8151A Date Extracted: 12/24/2012 10:38  
Sample wt/vol: 100 (mL) Date Analyzed: 01/01/2013 00:41  
Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 70766 Units: mg/L

| CAS NO. | COMPOUND NAME     | RESULT  | Q | LOQ   | LOD     | DL      |
|---------|-------------------|---------|---|-------|---------|---------|
| 94-75-7 | 2,4-D             | 0.0148  | J | 0.25  | 0.00025 | 0.00021 |
| 93-72-1 | Silvex (2,4,5-TP) | 0.00429 | J | 0.050 | 0.00010 | 0.00010 |

| CAS NO.    | SURROGATE                     | %REC | Q | LIMITS |
|------------|-------------------------------|------|---|--------|
| 19719-28-9 | 2,4-Dichlorophenylacetic acid | 76   |   | 37-116 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000030.D  
 Lims ID: 240-18735-C-5-M MS Client ID:  
 Inject. Date: 01-Jan-2013 00:41:03 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 240-0016320-030  
 Misc. Info.:  
 Operator: 001754 Instrument ID: A2HP1  
 Injection Vol: 1.0 ul ALS Bottle#: 30  
 Lims Batch ID: 70766 Lims Sample ID: 30  
 Detector 1 : GC ECD1A  
 Detector 2 : GC ecd2b  
 Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151\_1.m  
 Last Update: 07-Jan-2013 13:46:48 Calib Date: 31-Dec-2012 16:50:57  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D  
 Limit Group: GC 8151 DOD  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK030

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ul | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

## \$ 4 2,4-Dichlorophenylacetic acid

|   |       |       |       |          |        |
|---|-------|-------|-------|----------|--------|
| 1 | 6.966 | 6.961 | 0.005 | 20883461 | 0.1401 |
| 2 | 7.614 | 7.613 | 0.001 | 9479431  | 0.1527 |

RPD = 8.61

## 2 2,4-D

|   |       |       |        |          |        |
|---|-------|-------|--------|----------|--------|
| 1 | 8.183 | 8.185 | -0.002 | 24613903 | 0.1635 |
| 2 | 8.934 | 8.933 | 0.001  | 9190180  | 0.1482 |

RPD = 9.81

## 11 Pentachlorophenol

|   |       |  |  |  |  |   |
|---|-------|--|--|--|--|---|
| 1 | 8.274 |  |  |  |  | 1 |
| 2 | 9.226 |  |  |  |  |   |

## 12 Silvex (2,4,5-TP)

|   |       |       |        |          |        |
|---|-------|-------|--------|----------|--------|
| 1 | 9.058 | 9.060 | -0.002 | 30365815 | 0.0398 |
| 2 | 9.870 | 9.869 | 0.001  | 12193616 | 0.0429 |

RPD = 7.68

## 1 2,4,5-T

|   |        |  |  |  |  |
|---|--------|--|--|--|--|
| 1 | 9.376  |  |  |  |  |
| 2 | 10.347 |  |  |  |  |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20121231-16320.b\P1000030.D

Injection Date: 01-Jan-2013 00:41:03

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 70766

Lims Sample ID: 30

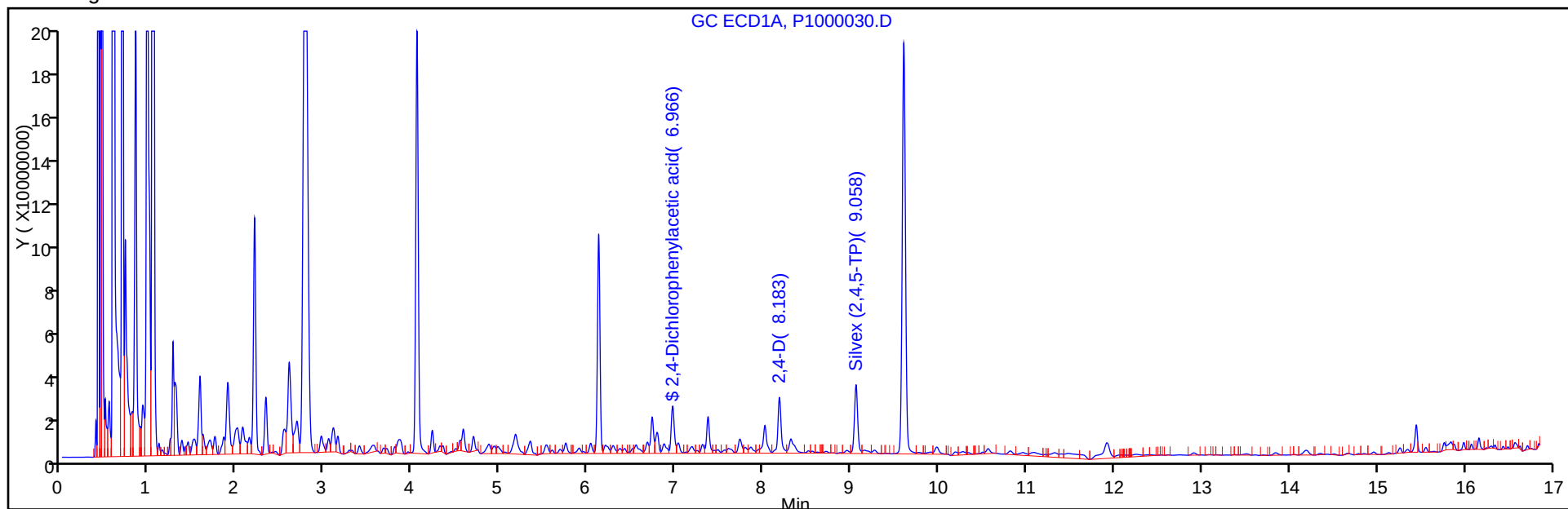
Operator ID: 001754

Injection Vol: 1.0 ul

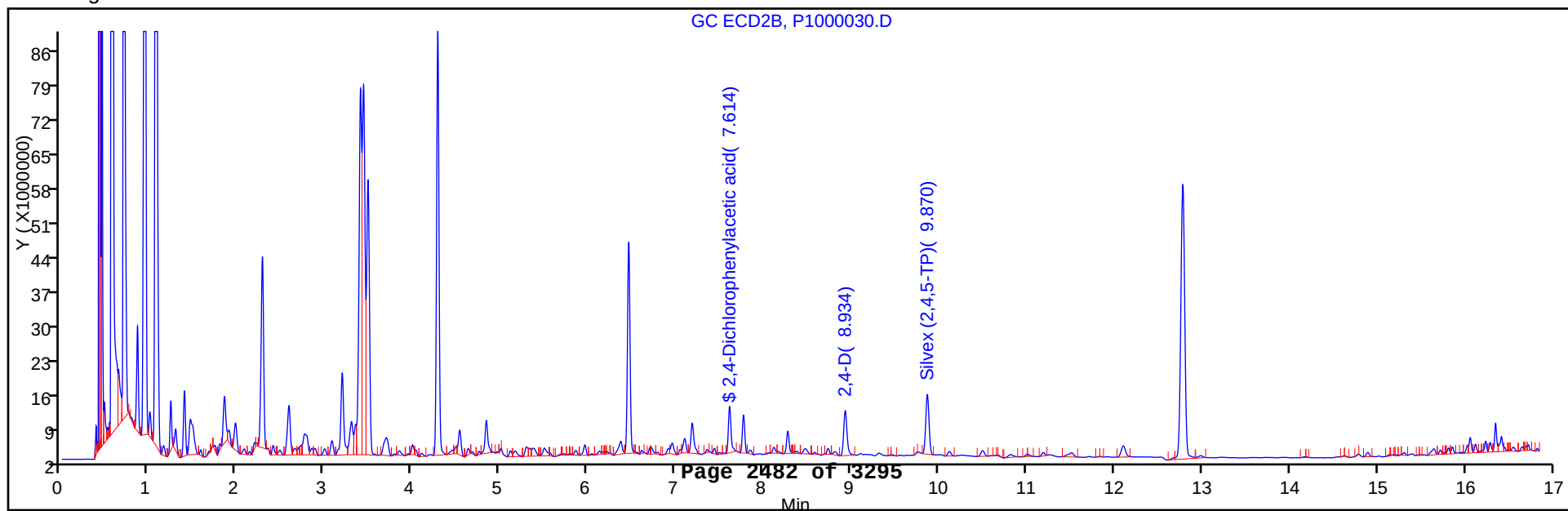
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



## GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: A2HP1 Start Date: 09/18/2012 10:33Analysis Batch Number: 58097 End Date: 09/18/2012 15:40

| LAB SAMPLE ID        | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID       |
|----------------------|------------------|------------------|--------------------|-------------|-----------------|
| STD 240-58097/3 IC   |                  | 09/18/2012 10:33 | 1                  |             | CLP-1 0.53 (mm) |
| STD 240-58097/3 IC   |                  | 09/18/2012 10:33 | 1                  |             | CLP-2 0.53 (mm) |
| STD 240-58097/4 IC   |                  | 09/18/2012 10:57 | 1                  |             | CLP-1 0.53 (mm) |
| STD 240-58097/4 IC   |                  | 09/18/2012 10:57 | 1                  |             | CLP-2 0.53 (mm) |
| STD 240-58097/5 ICRT |                  | 09/18/2012 11:20 | 1                  |             | CLP-1 0.53 (mm) |
| STD 240-58097/5 ICRT |                  | 09/18/2012 11:20 | 1                  |             | CLP-2 0.53 (mm) |
| STD 240-58097/6 IC   |                  | 09/18/2012 11:44 | 1                  |             | CLP-1 0.53 (mm) |
| STD 240-58097/6 IC   |                  | 09/18/2012 11:44 | 1                  |             | CLP-2 0.53 (mm) |
| STD 240-58097/7 IC   |                  | 09/18/2012 12:08 | 1                  |             | CLP-1 0.53 (mm) |
| STD 240-58097/7 IC   |                  | 09/18/2012 12:08 | 1                  |             | CLP-2 0.53 (mm) |
| STD 240-58097/8 IC   |                  | 09/18/2012 12:31 | 1                  |             | CLP-1 0.53 (mm) |
| STD 240-58097/8 IC   |                  | 09/18/2012 12:31 | 1                  |             | CLP-2 0.53 (mm) |
| ICV 240-58097/9      |                  | 09/18/2012 12:55 | 1                  |             | CLP-1 0.53 (mm) |
| ICV 240-58097/9      |                  | 09/18/2012 12:55 | 1                  |             | CLP-2 0.53 (mm) |
| STD 240-58097/10 IC  |                  | 09/18/2012 13:18 | 1                  | P1000010.D  | CLP-1 0.53 (mm) |
| STD 240-58097/10 IC  |                  | 09/18/2012 13:18 | 1                  | P1000010.D  | CLP-2 0.53 (mm) |
| STD 240-58097/11 IC  |                  | 09/18/2012 13:42 | 1                  | P1000011.D  | CLP-1 0.53 (mm) |
| STD 240-58097/11 IC  |                  | 09/18/2012 13:42 | 1                  | P1000011.D  | CLP-2 0.53 (mm) |
| STD 240-58097/12 IC  |                  | 09/18/2012 14:06 | 1                  | P1000012.D  | CLP-1 0.53 (mm) |
| STD 240-58097/12 IC  |                  | 09/18/2012 14:06 | 1                  | P1000012.D  | CLP-2 0.53 (mm) |
| STD 240-58097/13 IC  |                  | 09/18/2012 14:29 | 1                  | P1000013.D  | CLP-1 0.53 (mm) |
| STD 240-58097/13 IC  |                  | 09/18/2012 14:29 | 1                  | P1000013.D  | CLP-2 0.53 (mm) |
| STD 240-58097/14 IC  |                  | 09/18/2012 14:53 | 1                  | P1000014.D  | CLP-1 0.53 (mm) |
| STD 240-58097/14 IC  |                  | 09/18/2012 14:53 | 1                  | P1000014.D  | CLP-2 0.53 (mm) |
| STD 240-58097/15 IC  |                  | 09/18/2012 15:16 | 1                  | P1000015.D  | CLP-1 0.53 (mm) |
| STD 240-58097/15 IC  |                  | 09/18/2012 15:16 | 1                  | P1000015.D  | CLP-2 0.53 (mm) |
| ICV 240-58097/16     |                  | 09/18/2012 15:40 | 1                  | P1000016.D  | CLP-1 0.53 (mm) |
| ICV 240-58097/16     |                  | 09/18/2012 15:40 | 1                  | P1000016.D  | CLP-2 0.53 (mm) |

## GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: A2HP1Start Date: 12/03/2012 17:53Analysis Batch Number: 67147End Date: 12/04/2012 04:33

| LAB SAMPLE ID        | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID       |
|----------------------|------------------|------------------|--------------------|-------------|-----------------|
| STD 240-67147/6 IC   |                  | 12/03/2012 17:53 | 1                  | P1000006.D  | CLP-1 0.53 (mm) |
| STD 240-67147/6 IC   |                  | 12/03/2012 17:53 | 1                  | P1000006.D  | CLP-2 0.53 (mm) |
| STD 240-67147/7 IC   |                  | 12/03/2012 18:17 | 1                  | P1000007.D  | CLP-1 0.53 (mm) |
| STD 240-67147/7 IC   |                  | 12/03/2012 18:17 | 1                  | P1000007.D  | CLP-2 0.53 (mm) |
| STD 240-67147/8 ICRT |                  | 12/03/2012 18:41 | 1                  | P1000008.D  | CLP-1 0.53 (mm) |
| STD 240-67147/8 ICRT |                  | 12/03/2012 18:41 | 1                  | P1000008.D  | CLP-2 0.53 (mm) |
| STD 240-67147/9 IC   |                  | 12/03/2012 19:04 | 1                  | P1000009.D  | CLP-1 0.53 (mm) |
| STD 240-67147/9 IC   |                  | 12/03/2012 19:04 | 1                  | P1000009.D  | CLP-2 0.53 (mm) |
| STD 240-67147/10 IC  |                  | 12/03/2012 19:28 | 1                  | P1000010.D  | CLP-1 0.53 (mm) |
| STD 240-67147/10 IC  |                  | 12/03/2012 19:28 | 1                  | P1000010.D  | CLP-2 0.53 (mm) |
| STD 240-67147/11 IC  |                  | 12/03/2012 19:52 | 1                  | P1000011.D  | CLP-1 0.53 (mm) |
| STD 240-67147/11 IC  |                  | 12/03/2012 19:52 | 1                  | P1000011.D  | CLP-2 0.53 (mm) |
| ICV 240-67147/12     |                  | 12/03/2012 20:15 | 1                  | P1000012.D  | CLP-1 0.53 (mm) |
| ICV 240-67147/12     |                  | 12/03/2012 20:15 | 1                  | P1000012.D  | CLP-2 0.53 (mm) |
| CCV 240-67147/13     |                  | 12/03/2012 20:39 | 1                  |             | CLP-1 0.53 (mm) |
| CCV 240-67147/13     |                  | 12/03/2012 20:39 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 21:03 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 21:03 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 21:26 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 21:26 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 21:50 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 21:50 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 22:14 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 22:14 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 22:38 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 22:38 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 23:01 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 23:01 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 23:25 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 23:25 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 23:49 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/03/2012 23:49 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/04/2012 00:12 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/04/2012 00:12 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/04/2012 00:36 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/04/2012 00:36 | 1                  |             | CLP-2 0.53 (mm) |
| CCV 240-67147/24     |                  | 12/04/2012 01:00 | 1                  |             | CLP-1 0.53 (mm) |
| CCV 240-67147/24     |                  | 12/04/2012 01:00 | 1                  |             | CLP-2 0.53 (mm) |
| CCV 240-67147/25     |                  | 12/04/2012 01:24 | 1                  |             | CLP-1 0.53 (mm) |
| CCV 240-67147/25     |                  | 12/04/2012 01:24 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/04/2012 01:47 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/04/2012 01:47 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/04/2012 02:11 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ                |                  | 12/04/2012 02:11 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ                |                  | 12/04/2012 02:35 | 1                  |             | CLP-1 0.53 (mm) |

## GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: A2HP1 Start Date: 12/03/2012 17:53Analysis Batch Number: 67147 End Date: 12/04/2012 04:33

| LAB SAMPLE ID    | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID       |
|------------------|------------------|------------------|--------------------|-------------|-----------------|
| ZZZZZ            |                  | 12/04/2012 02:35 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ            |                  | 12/04/2012 02:58 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ            |                  | 12/04/2012 02:58 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ            |                  | 12/04/2012 03:22 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ            |                  | 12/04/2012 03:22 | 1                  |             | CLP-2 0.53 (mm) |
| CCV 240-67147/31 |                  | 12/04/2012 03:46 | 1                  |             | CLP-1 0.53 (mm) |
| CCV 240-67147/31 |                  | 12/04/2012 03:46 | 1                  |             | CLP-2 0.53 (mm) |
| CCV 240-67147/32 |                  | 12/04/2012 04:10 | 1                  |             | CLP-1 0.53 (mm) |
| CCV 240-67147/32 |                  | 12/04/2012 04:10 | 1                  |             | CLP-2 0.53 (mm) |
| ZZZZZ            |                  | 12/04/2012 04:33 | 1                  |             | CLP-1 0.53 (mm) |
| ZZZZZ            |                  | 12/04/2012 04:33 | 1                  |             | CLP-2 0.53 (mm) |

## GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: A2HP1 Start Date: 12/24/2012 16:29Analysis Batch Number: 70037 End Date: 12/25/2012 03:04

| LAB SAMPLE ID            | CLIENT SAMPLE ID              | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID       |
|--------------------------|-------------------------------|------------------|--------------------|-------------|-----------------|
| CCV 240-70037/5<br>CCVRT |                               | 12/24/2012 16:29 | 1                  | P1000005.D  | CLP-1 0.53 (mm) |
| CCV 240-70037/5<br>CCVRT |                               | 12/24/2012 16:29 | 1                  | P1000005.D  | CLP-2 0.53 (mm) |
| CCV 240-70037/6          |                               | 12/24/2012 16:52 | 1                  | P1000006.D  | CLP-1 0.53 (mm) |
| CCV 240-70037/6          |                               | 12/24/2012 16:52 | 1                  | P1000006.D  | CLP-2 0.53 (mm) |
| MRL 240-70037/7          |                               | 12/24/2012 17:16 | 1                  | P1000007.D  | CLP-1 0.53 (mm) |
| MRL 240-70037/7          |                               | 12/24/2012 17:16 | 1                  | P1000007.D  | CLP-2 0.53 (mm) |
| 240-18735-3              | 070-0056-0001-SOURCE<br>WATER | 12/24/2012 17:40 | 1                  | P1000008.D  | CLP-1 0.53 (mm) |
| 240-18735-3              | 070-0056-0001-SOURCE<br>WATER | 12/24/2012 17:40 | 1                  | P1000008.D  | CLP-2 0.53 (mm) |
| 240-18735-4              | 070-0057-0001-SOURCE<br>WATER | 12/24/2012 18:03 | 1                  | P1000009.D  | CLP-1 0.53 (mm) |
| 240-18735-4              | 070-0057-0001-SOURCE<br>WATER | 12/24/2012 18:03 | 1                  | P1000009.D  | CLP-2 0.53 (mm) |
| MB 240-69372/21-A        |                               | 12/24/2012 21:11 | 1                  | P1000017.D  | CLP-1 0.53 (mm) |
| MB 240-69372/21-A        |                               | 12/24/2012 21:11 | 1                  | P1000017.D  | CLP-2 0.53 (mm) |
| CCV 240-70037/18         |                               | 12/24/2012 21:35 | 1                  | P1000018.D  | CLP-1 0.53 (mm) |
| CCV 240-70037/18         |                               | 12/24/2012 21:35 | 1                  | P1000018.D  | CLP-2 0.53 (mm) |
| CCV 240-70037/19         |                               | 12/24/2012 21:59 | 1                  | P1000019.D  | CLP-1 0.53 (mm) |
| CCV 240-70037/19         |                               | 12/24/2012 21:59 | 1                  | P1000019.D  | CLP-2 0.53 (mm) |
| LCS 240-69372/22-A       |                               | 12/25/2012 01:53 | 1                  | P1000029.D  | CLP-1 0.53 (mm) |
| LCS 240-69372/22-A       |                               | 12/25/2012 01:53 | 1                  | P1000029.D  | CLP-2 0.53 (mm) |
| CCV 240-70037/30         |                               | 12/25/2012 02:17 | 1                  | P1000030.D  | CLP-1 0.53 (mm) |
| CCV 240-70037/30         |                               | 12/25/2012 02:17 | 1                  | P1000030.D  | CLP-2 0.53 (mm) |
| CCV 240-70037/31         |                               | 12/25/2012 02:40 | 1                  | P1000031.D  | CLP-1 0.53 (mm) |
| CCV 240-70037/31         |                               | 12/25/2012 02:40 | 1                  | P1000031.D  | CLP-2 0.53 (mm) |
| MRL 240-70037/32         |                               | 12/25/2012 03:04 | 1                  | P1000032.D  | CLP-1 0.53 (mm) |
| MRL 240-70037/32         |                               | 12/25/2012 03:04 | 1                  | P1000032.D  | CLP-2 0.53 (mm) |



## GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: A2HP1Start Date: 12/31/2012 14:53Analysis Batch Number: 70766End Date: 01/01/2013 05:22

| LAB SAMPLE ID             | CLIENT SAMPLE ID     | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID       |
|---------------------------|----------------------|------------------|--------------------|-------------|-----------------|
| STD 240-70766/5 IC        |                      | 12/31/2012 14:53 | 1                  | P1000005.D  | CLP-1 0.53 (mm) |
| STD 240-70766/5 IC        |                      | 12/31/2012 14:53 | 1                  | P1000005.D  | CLP-2 0.53 (mm) |
| STD 240-70766/6 IC        |                      | 12/31/2012 15:16 | 1                  | P1000006.D  | CLP-1 0.53 (mm) |
| STD 240-70766/6 IC        |                      | 12/31/2012 15:16 | 1                  | P1000006.D  | CLP-2 0.53 (mm) |
| STD 240-70766/7 IC        |                      | 12/31/2012 15:40 | 1                  | P1000007.D  | CLP-1 0.53 (mm) |
| STD 240-70766/7 IC        |                      | 12/31/2012 15:40 | 1                  | P1000007.D  | CLP-2 0.53 (mm) |
| STD 240-70766/8 IC        |                      | 12/31/2012 16:03 | 1                  | P1000008.D  | CLP-1 0.53 (mm) |
| STD 240-70766/8 IC        |                      | 12/31/2012 16:03 | 1                  | P1000008.D  | CLP-2 0.53 (mm) |
| STD 240-70766/9 IC        |                      | 12/31/2012 16:27 | 1                  | P1000009.D  | CLP-1 0.53 (mm) |
| STD 240-70766/9 IC        |                      | 12/31/2012 16:27 | 1                  | P1000009.D  | CLP-2 0.53 (mm) |
| STD 240-70766/10 IC       |                      | 12/31/2012 16:50 | 1                  | P1000010.D  | CLP-1 0.53 (mm) |
| STD 240-70766/10 IC       |                      | 12/31/2012 16:50 | 1                  | P1000010.D  | CLP-2 0.53 (mm) |
| ICV 240-70766/11          |                      | 12/31/2012 17:14 | 1                  | P1000011.D  | CLP-1 0.53 (mm) |
| ICV 240-70766/11          |                      | 12/31/2012 17:14 | 1                  | P1000011.D  | CLP-2 0.53 (mm) |
| CCV 240-70766/12<br>CCVRT |                      | 12/31/2012 17:37 | 1                  | P1000012.D  | CLP-1 0.53 (mm) |
| CCV 240-70766/12<br>CCVRT |                      | 12/31/2012 17:37 | 1                  | P1000012.D  | CLP-2 0.53 (mm) |
| CCV 240-70766/21          |                      | 12/31/2012 21:09 | 1                  | P1000021.D  | CLP-1 0.53 (mm) |
| CCV 240-70766/21          |                      | 12/31/2012 21:09 | 1                  | P1000021.D  | CLP-2 0.53 (mm) |
| CCV 240-70766/22          |                      | 12/31/2012 21:33 | 1                  | P1000022.D  | CLP-1 0.53 (mm) |
| CCV 240-70766/22          |                      | 12/31/2012 21:33 | 1                  | P1000022.D  | CLP-2 0.53 (mm) |
| MRL 240-70766/23          |                      | 12/31/2012 21:56 | 1                  | P1000023.D  | CLP-1 0.53 (mm) |
| MRL 240-70766/23          |                      | 12/31/2012 21:56 | 1                  | P1000023.D  | CLP-2 0.53 (mm) |
| 240-18735-5               | 070-0058-0001-IDW    | 01/01/2013 00:17 | 1                  | P1000029.D  | CLP-1 0.53 (mm) |
| 240-18735-5               | 070-0058-0001-IDW    | 01/01/2013 00:17 | 1                  | P1000029.D  | CLP-2 0.53 (mm) |
| 240-18735-5 MS            | 070-0058-0001-IDW MS | 01/01/2013 00:41 | 1                  | P1000030.D  | CLP-1 0.53 (mm) |
| 240-18735-5 MS            | 070-0058-0001-IDW MS | 01/01/2013 00:41 | 1                  | P1000030.D  | CLP-2 0.53 (mm) |
| 240-18735-6               | 070-0059-0001-IDW    | 01/01/2013 01:04 | 1                  | P1000031.D  | CLP-1 0.53 (mm) |
| 240-18735-6               | 070-0059-0001-IDW    | 01/01/2013 01:04 | 1                  | P1000031.D  | CLP-2 0.53 (mm) |
| MB 240-70010/4-A          |                      | 01/01/2013 01:27 | 1                  | P1000032.D  | CLP-1 0.53 (mm) |
| MB 240-70010/4-A          |                      | 01/01/2013 01:27 | 1                  | P1000032.D  | CLP-2 0.53 (mm) |
| LCS 240-70010/5-A         |                      | 01/01/2013 01:51 | 1                  | P1000033.D  | CLP-1 0.53 (mm) |
| LCS 240-70010/5-A         |                      | 01/01/2013 01:51 | 1                  | P1000033.D  | CLP-2 0.53 (mm) |
| CCV 240-70766/34          |                      | 01/01/2013 02:14 | 1                  | P1000034.D  | CLP-1 0.53 (mm) |
| CCV 240-70766/34          |                      | 01/01/2013 02:14 | 1                  | P1000034.D  | CLP-2 0.53 (mm) |
| CCV 240-70766/35          |                      | 01/01/2013 02:38 | 1                  | P1000035.D  | CLP-1 0.53 (mm) |
| CCV 240-70766/35          |                      | 01/01/2013 02:38 | 1                  | P1000035.D  | CLP-2 0.53 (mm) |
| MRL 240-70766/42          |                      | 01/01/2013 05:22 | 1                  | P1000042.D  | CLP-1 0.53 (mm) |
| MRL 240-70766/42          |                      | 01/01/2013 05:22 | 1                  | P1000042.D  | CLP-2 0.53 (mm) |

## GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69294 Batch Start Date: 12/18/12 19:10 Batch Analyst: Jones, DianeBatch Method: 1311 Batch End Date: 12/19/12 11:15

| Lab Sample ID | Client Sample ID      | Method Chain             | Basis | EXTCLPACETIC<br>00005 | EXTCLPFILTERS<br>00012 | EXTCLPHCLW<br>00018 | EXTCLPNAOH<br>00010 | AnalysisComment                            |  |
|---------------|-----------------------|--------------------------|-------|-----------------------|------------------------|---------------------|---------------------|--------------------------------------------|--|
| 240-18735-C-5 | 070-0058-0001-ID<br>W | 1311, 8151A,<br>8151/DOD | P     | 1 mL                  | 1                      | 1 mL                | 1 g                 | DOD - MS/MSD<br>for Metals, MS<br>for Herb |  |
| 240-18735-F-6 | 070-0059-0001-ID<br>W | 1311, 8151A,<br>8151/DOD | P     | 1 mL                  | 1                      | 1 mL                | 1 g                 | DOD - MS for<br>Pest, MS for<br>BNAs       |  |

| Batch Notes                  |                 |
|------------------------------|-----------------|
| Tumbler Rotations per Minute | A, B, C = 31rpm |

| Basis | Basis Description |
|-------|-------------------|
| P     | TCLP              |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8151/DOD

Page 1 of 1

## GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69372 Batch Start Date: 12/19/12 09:51 Batch Analyst: Earle, SteveBatch Method: 8151A Batch End Date: \_\_\_\_\_

| Lab Sample ID       | Client Sample ID               | Method Chain       | Basis | ReceivedpH | InitialAmount | FirstAdjustpH | SecondAdjustpH | FinalAmount | EXHEASPIKEW<br>00007 |
|---------------------|--------------------------------|--------------------|-------|------------|---------------|---------------|----------------|-------------|----------------------|
| 240-18735-L-3       | 070-0056-0001-SO<br>URCE WATER | 8151A,<br>8151/DOD | T     | 7 SU       | 500 mL        | 12            | 2              | 100 mL      |                      |
| 240-18735-J-4       | 070-0057-0001-SO<br>URCE WATER | 8151A,<br>8151/DOD | T     | 7 SU       | 500 mL        | 12            | 2              | 100 mL      |                      |
| MB 240-69372/21     |                                | 8151A,<br>8151/DOD |       | 7 SU       | 500 mL        | 12            | 2              | 100 mL      |                      |
| LCS<br>240-69372/22 |                                | 8151A,<br>8151/DOD |       | 7 SU       | 500 mL        | 12            | 2              | 100 mL      | 1 mL                 |

| Lab Sample ID       | Client Sample ID               | Method Chain       | Basis | EXHERBSURR<br>00012 |  |  |  |  |  |
|---------------------|--------------------------------|--------------------|-------|---------------------|--|--|--|--|--|
| 240-18735-L-3       | 070-0056-0001-SO<br>URCE WATER | 8151A,<br>8151/DOD | T     | 1 mL                |  |  |  |  |  |
| 240-18735-J-4       | 070-0057-0001-SO<br>URCE WATER | 8151A,<br>8151/DOD | T     | 1 mL                |  |  |  |  |  |
| MB 240-69372/21     |                                | 8151A,<br>8151/DOD |       | 1 mL                |  |  |  |  |  |
| LCS<br>240-69372/22 |                                | 8151A,<br>8151/DOD |       | 1 mL                |  |  |  |  |  |

| Batch Notes              |        |
|--------------------------|--------|
| Diethyl Ether Lot #      | 693500 |
| Sulfuric Acid Lot Number | 711898 |
| Hexane Lot#              | 671338 |
| MeCL2 Lot #              | 797357 |
| Na2SO4, Acidified Lot #  | 677451 |
| NaCL Lot #               | 294619 |
| NaOH Lot #               | 711885 |
| Silica Gel Lot Number    | 001550 |
| TMSDM Lot #              | 347067 |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8151/DOD

Page 1 of 1

## GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 70010 Batch Start Date: 12/24/12 10:38 Batch Analyst: Matthews, BrandonBatch Method: 8151A Batch End Date: \_\_\_\_\_

| Lab Sample ID         | Client Sample ID | Method Chain       | Basis | ReceivedpH | InitialAmount | FirstAdjustpH | SecondAdjustpH | FinalAmount | EXHERBTSPIKEW<br>00007 |
|-----------------------|------------------|--------------------|-------|------------|---------------|---------------|----------------|-------------|------------------------|
| 240-18735-C-5-B       | 070-0058-0001-ID | 8151A,<br>W        | P     | 5 SU       | 100 mL        | 12            | 2              | 10 mL       |                        |
| 240-18735-C-5-B<br>MS | 070-0058-0001-ID | 8151A,<br>W        | P     | 5 SU       | 100 mL        | 12            | 2              | 10 mL       | 1 mL                   |
| 240-18735-F-6-B       | 070-0059-0001-ID | 8151A,<br>W        | P     | 8 SU       | 100 mL        | 12            | 2              | 10 mL       |                        |
| MB 240-70010/4        |                  | 8151A,<br>8151/DOD |       | 5 SU       | 100 mL        | 12            | 2              | 10 mL       |                        |
| LCS 240-70010/5       |                  | 8151A,<br>8151/DOD |       | 5 SU       | 100 mL        | 12            | 2              | 10 mL       | 1 mL                   |

| Lab Sample ID         | Client Sample ID | Method Chain       | Basis | EXTCLPHERBSUR<br>00012 |  |  |  |  |  |
|-----------------------|------------------|--------------------|-------|------------------------|--|--|--|--|--|
| 240-18735-C-5-B       | 070-0058-0001-ID | 8151A,<br>W        | P     | 1 mL                   |  |  |  |  |  |
| 240-18735-C-5-B<br>MS | 070-0058-0001-ID | 8151A,<br>W        | P     | 1 mL                   |  |  |  |  |  |
| 240-18735-F-6-B       | 070-0059-0001-ID | 8151A,<br>W        | P     | 1 mL                   |  |  |  |  |  |
| MB 240-70010/4        |                  | 8151A,<br>8151/DOD |       | 1 mL                   |  |  |  |  |  |
| LCS 240-70010/5       |                  | 8151A,<br>8151/DOD |       | 1 mL                   |  |  |  |  |  |

| Batch Notes              |        |
|--------------------------|--------|
| Diethyl Ether Lot #      | 693501 |
| Sulfuric Acid Lot Number | 711901 |
| Hexane Lot#              | 804965 |
| MeCL2 Lot #              | 797369 |
| Na2SO4, Acidified Lot #  | 677446 |
| NaCL Lot #               | 294619 |
| NaOH Lot #               | 711885 |
| Silica Gel Lot Number    | 001550 |
| TMSDM Lot #              | 347067 |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8151/DOD

Page 1 of 2

## GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 70010 Batch Start Date: 12/24/12 10:38 Batch Analyst: Matthews, BrandonBatch Method: 8151A Batch End Date: \_\_\_\_\_

| Basis | Basis Description |
|-------|-------------------|
| P     | TCLP              |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# Method 8330

# Nitroguanidine

---

Nitroguanidine (HPLC) by Method 8330

FORM III  
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: 320-0001969-052-1.d

Lab ID: LCS 320-7807/2-A Client ID: \_\_\_\_\_

| COMPOUND       | SPIKE<br>ADDED<br>(ug/L) | LCS<br>CONCENTRATION<br>(ug/L) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|----------------|--------------------------|--------------------------------|-----------------|---------------------|---|
| Nitroguanidine | 250                      | 255                            | 102             | 73-117              |   |

# Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM IV  
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab File ID: 320-0001969-050-1.d Lab Sample ID: MB 320-7807/1-A  
Matrix: Water Date Extracted: 12/24/2012 12:40  
Instrument ID: PDA1 Date Analyzed: 12/27/2012 03:25  
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID           | LAB SAMPLE ID    | LAB<br>FILE ID          | DATE ANALYZED    |
|----------------------------|------------------|-------------------------|------------------|
|                            | LCS 320-7807/2-A | 320-0001969<br>-052-1.d | 12/27/2012 03:54 |
| 070-0056-0001-SOURCE WATER | 240-18735-3      | 320-0001969<br>-056-1.d | 12/27/2012 04:51 |
| 070-0057-0001-SOURCE WATER | 240-18735-4      | 320-0001969<br>-057-1.d | 12/27/2012 05:06 |



FORM I  
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Client Sample ID: 070-0056-0001-SOURCE Lab Sample ID: 240-18735-3  
Matrix: Water Lab File ID: 320-0001969-056-1.d  
Analysis Method: 8330 Modified Date Collected: 12/12/2012 13:00  
Extraction Method: Filtration Date Extracted: 12/24/2012 12:40  
Sample wt/vol: 10 (mL) Date Analyzed: 12/27/2012 04:51  
Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
Injection Volume: 50 (uL) GC Column: Luna NH2 ID: 4.6 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 7855 Units: ug/L

| CAS NO.  | COMPOUND NAME  | RESULT | Q | LOQ | LOD | DL  |
|----------|----------------|--------|---|-----|-----|-----|
| 556-88-7 | Nitroguanidine | 6.0    | U | 20  | 6.0 | 2.4 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-056-1.d  
Lims ID: 240-18735-Q-3-A Client ID: 070-0056-0001-SOURCE WATER  
Inject. Date: 27-Dec-2012 04:51:00 Dil. Factor: 1.0000  
Sample Type: Client  
Sample ID: 320-0001969-056 Analysis  
Misc. Info.: none  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7855 Lims Sample ID: 56  
Detector: GC 320-0001969-056-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m  
Last Update: 28-Dec-2012 09:14:30 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK013

First Level Reviewer: noonanr

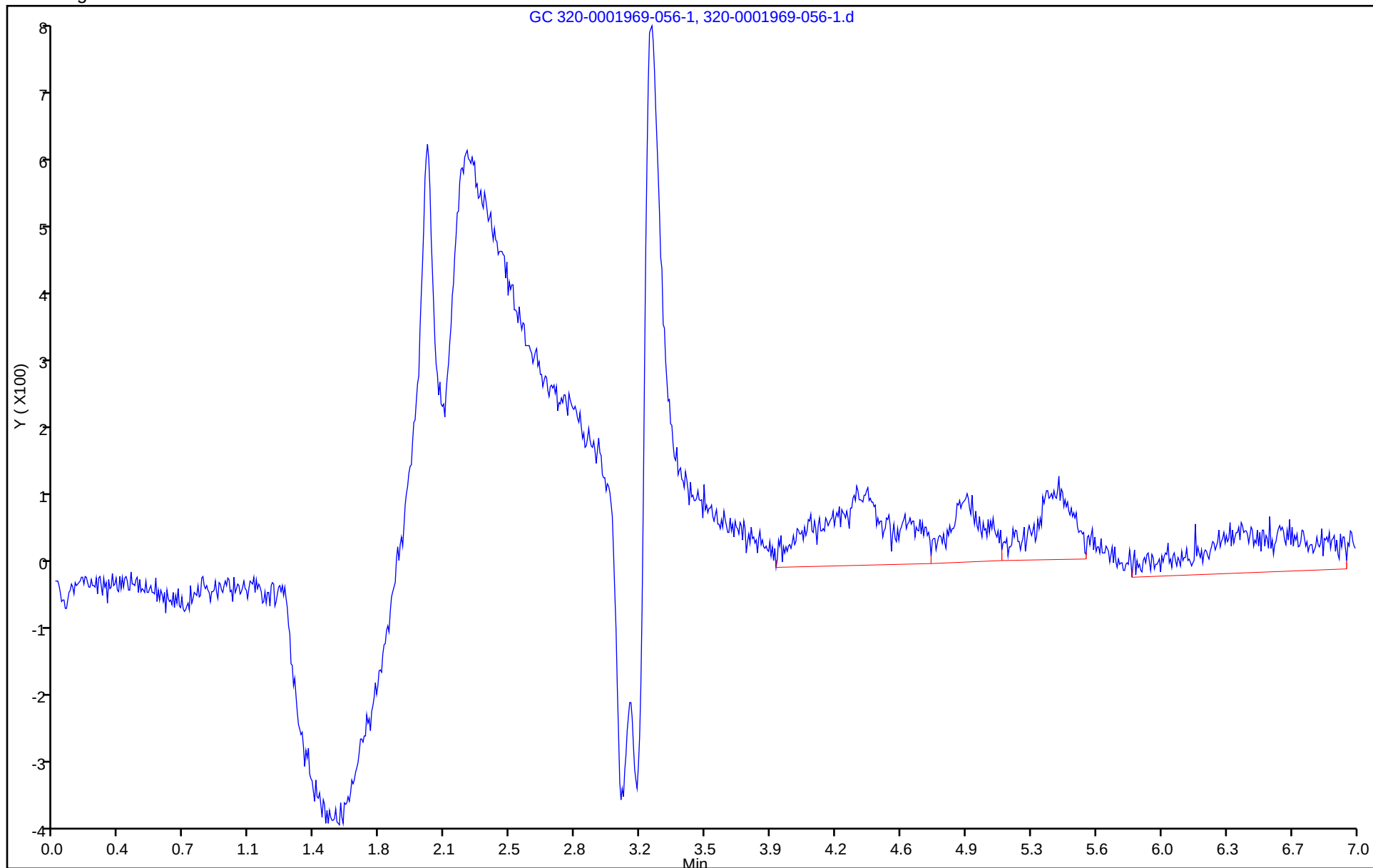
Date: 28-Dec-2012 09:15:25

| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-056-1.d  
Injection Date: 27-Dec-2012 04:51:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: 070-0056-0001-SOURCE WATER Instrument ID: PDA1  
Lims Batch ID: 7855 Lims Sample ID: 56  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM I  
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Client Sample ID: 070-0057-0001-SOURCE Lab Sample ID: 240-18735-4  
Matrix: Water Lab File ID: 320-0001969-057-1.d  
Analysis Method: 8330 Modified Date Collected: 12/12/2012 13:15  
Extraction Method: Filtration Date Extracted: 12/24/2012 12:40  
Sample wt/vol: 10 (mL) Date Analyzed: 12/27/2012 05:06  
Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
Injection Volume: 50 (uL) GC Column: Luna NH2 ID: 4.6 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 7855 Units: ug/L

| CAS NO.  | COMPOUND NAME  | RESULT | Q | LOQ | LOD | DL  |
|----------|----------------|--------|---|-----|-----|-----|
| 556-88-7 | Nitroguanidine | 6.0    | U | 20  | 6.0 | 2.4 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-057-1.d  
Lims ID: 240-18735-Q-4-A Client ID: 070-0057-0001-SOURCE WATER  
Inject. Date: 27-Dec-2012 05:06:00 Dil. Factor: 1.0000  
Sample Type: Client  
Sample ID: 320-0001969-057 Analysis  
Misc. Info.: none  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7855 Lims Sample ID: 57  
Detector: GC 320-0001969-057-1  
  
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m  
Last Update: 28-Dec-2012 09:09:44 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:12:01

| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

Report Date: 28-Dec-2012 09:12:01

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-057-1.d

Injection Date: 27-Dec-2012 05:06:00

Limit Group: LC 8330 Ngu ICAL

Client ID: 070-0057-0001-SOURCE WATER

Instrument ID: PDA1

Lims Batch ID: 7855

Lims Sample ID: 57

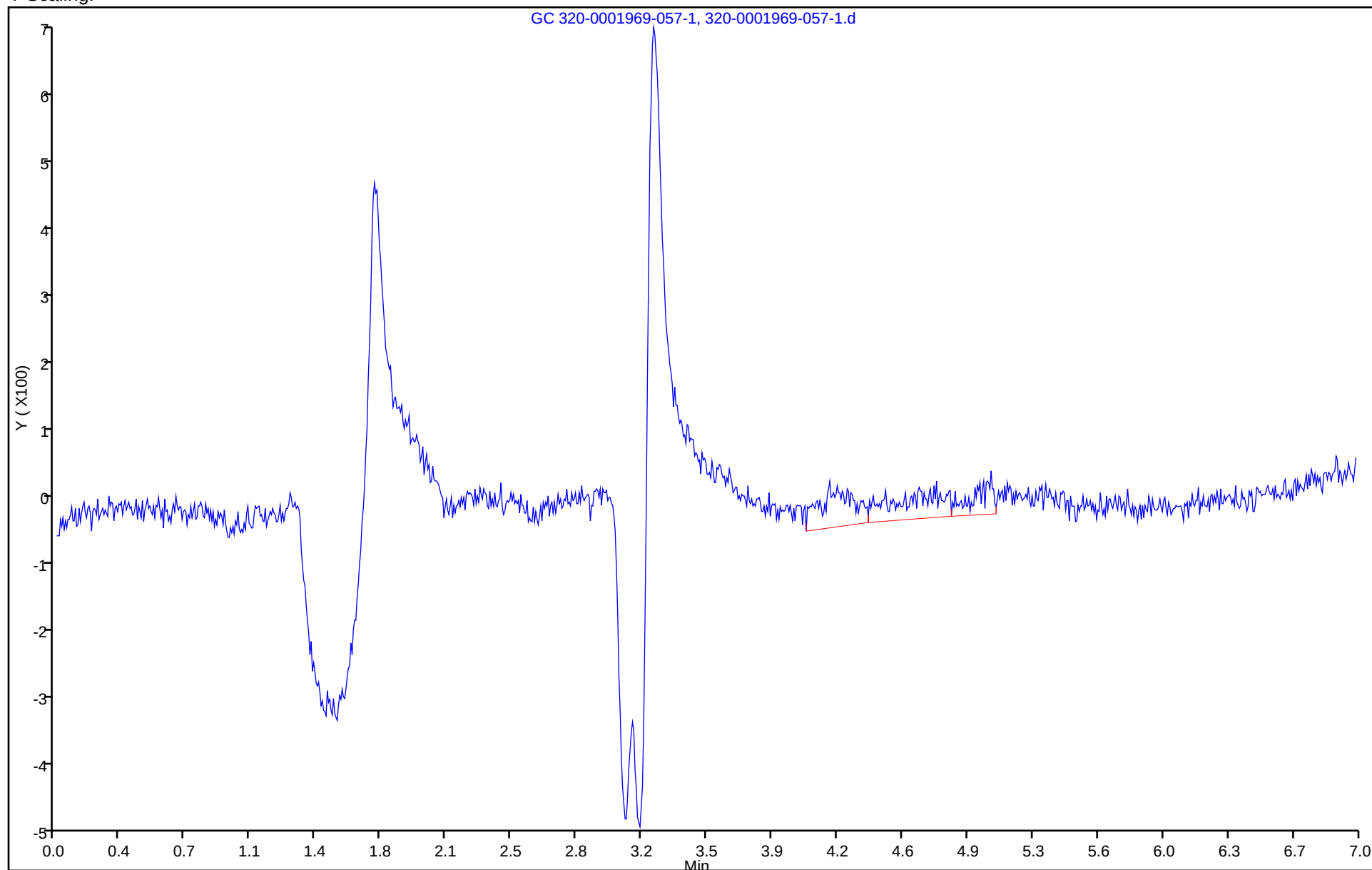
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



FORM VI  
HPLC/IC INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 7846

SDG No.: \_\_\_\_\_

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID:        |
|---------|------------------|---------------------|
| Level 1 | STD02 320-7846/4 | 320-0001966-004-1.d |
| Level 2 | STD03 320-7846/5 | 320-0001966-005-1.d |
| Level 3 | STD04 320-7846/6 | 320-0001966-006-1.d |
| Level 4 | STD05 320-7846/7 | 320-0001966-007-1.d |
| Level 5 | STD06 320-7846/8 | 320-0001966-008-1.d |
| Level 6 | STD07 320-7846/9 | 320-0001966-009-1.d |

| ANALYTE        | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |  |  |  |  | RT WINDOW     | AVG RT |
|----------------|-------|-------|-------|-------|-------|-------|--|--|--|--|---------------|--------|
| Nitroguanidine | 4.293 | 4.287 | 4.273 | 4.253 | 4.273 | 4.273 |  |  |  |  | 4.017 - 4.517 | 4.275  |

FORM VI  
HPLC/IC INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 7846

SDG No.: \_\_\_\_\_

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

|         |                  |                     |
|---------|------------------|---------------------|
| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID:        |
| Level 1 | STD02 320-7846/4 | 320-0001966-004-1.d |
| Level 2 | STD03 320-7846/5 | 320-0001966-005-1.d |
| Level 3 | STD04 320-7846/6 | 320-0001966-006-1.d |
| Level 4 | STD05 320-7846/7 | 320-0001966-007-1.d |
| Level 5 | STD06 320-7846/8 | 320-0001966-008-1.d |
| Level 6 | STD07 320-7846/9 | 320-0001966-009-1.d |

| ANALYTE        | CF               |                  |        |        | CURVE<br>TYPE | COEFFICIENT |            |    | # | MIN CF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|----------------|------------------|------------------|--------|--------|---------------|-------------|------------|----|---|--------|------|---|-------------|---------------|---|-------------------|
|                | LVL 1<br>LVL 5   | LVL 2<br>LVL 6   | LVL 3  | LVL 4  |               | B           | M1         | M2 |   |        |      |   |             |               |   |                   |
| Nitroguanidine | 38.050<br>35.454 | 36.420<br>34.641 | 36.210 | 36.055 | Ave           |             | 36.1383333 |    |   |        | 3.1  |   | 20.0        |               |   |                   |

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.



FORM VI  
HPLC/IC INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 7846

SDG No.: \_\_\_\_\_

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID:        |
|---------|------------------|---------------------|
| Level 1 | STD02 320-7846/4 | 320-0001966-004-1.d |
| Level 2 | STD03 320-7846/5 | 320-0001966-005-1.d |
| Level 3 | STD04 320-7846/6 | 320-0001966-006-1.d |
| Level 4 | STD05 320-7846/7 | 320-0001966-007-1.d |
| Level 5 | STD06 320-7846/8 | 320-0001966-008-1.d |
| Level 6 | STD07 320-7846/9 | 320-0001966-009-1.d |

| ANALYTE        | CURVE<br>TYPE | RESPONSE       |       |       |       |       | CONCENTRATION (NG/ML) |       |       |       |       |
|----------------|---------------|----------------|-------|-------|-------|-------|-----------------------|-------|-------|-------|-------|
|                |               | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6        | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Nitroguanidine | Ave           | 761<br>34641   | 1821  | 3621  | 7211  | 17727 | 20.0<br>1000          | 50.0  | 100   | 200   | 500   |

Curve Type Legend:

Ave = Average by Height

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-004-1.d  
Lims ID: std02 Client ID:  
Inject. Date: 26-Dec-2012 13:18:00 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 2  
Sample ID: 320-0001966-004 Analysis  
Misc. Info.: none STD05  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7846 Lims Sample ID: 4  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001966-004-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m  
Last Update: 26-Dec-2012 15:10:29 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK028

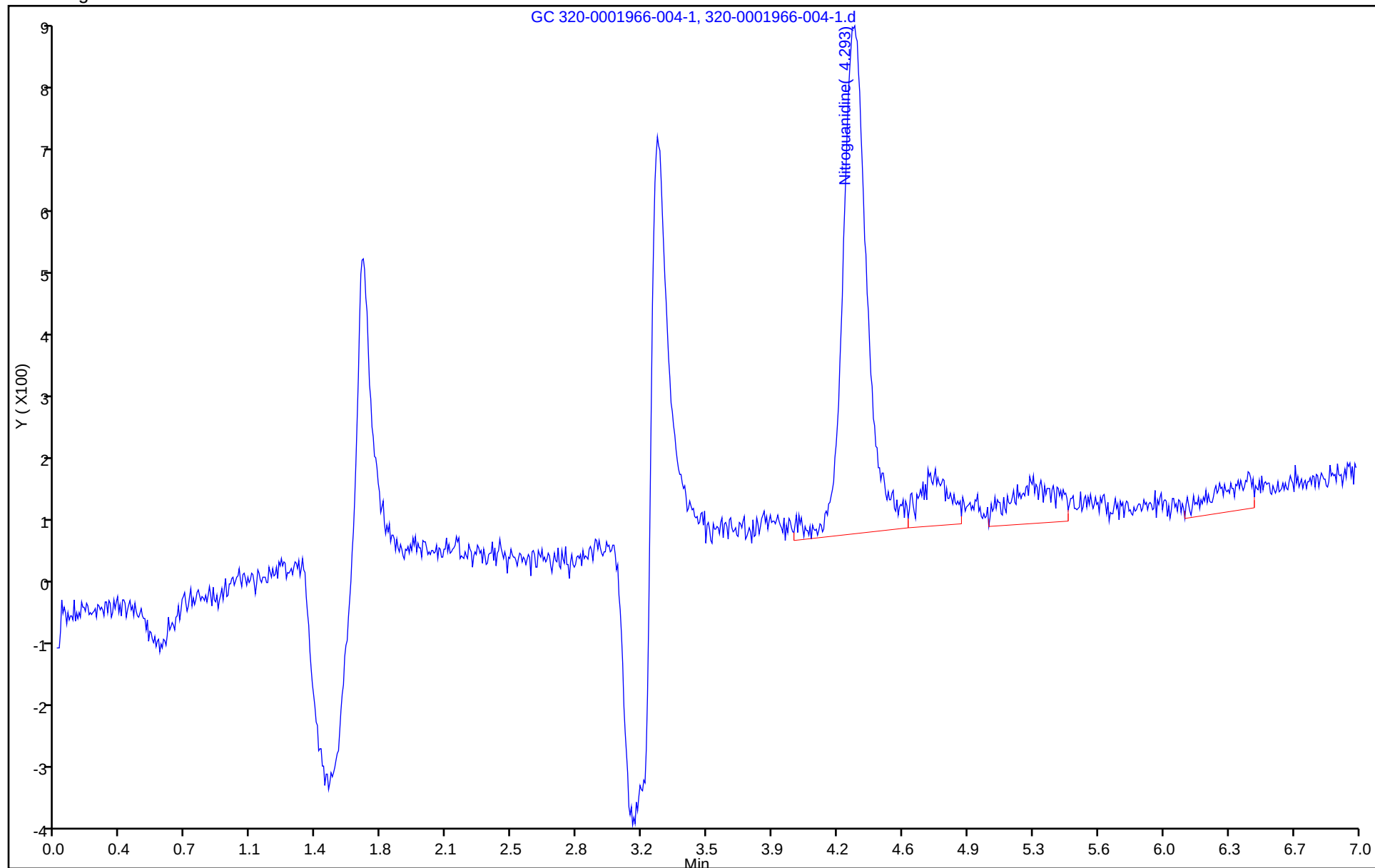
| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.293 4.267 0.026 761 21.1

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-004-1.d  
Injection Date: 26-Dec-2012 13:18:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7846 Lims Sample ID: 4  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-005-1.d  
Lims ID: std03 Client ID:  
Inject. Date: 26-Dec-2012 13:32:00 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 3  
Sample ID: 320-0001966-005 Analysis  
Misc. Info.: none STD05  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7846 Lims Sample ID: 5  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001966-005-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m  
Last Update: 26-Dec-2012 15:10:30 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK028

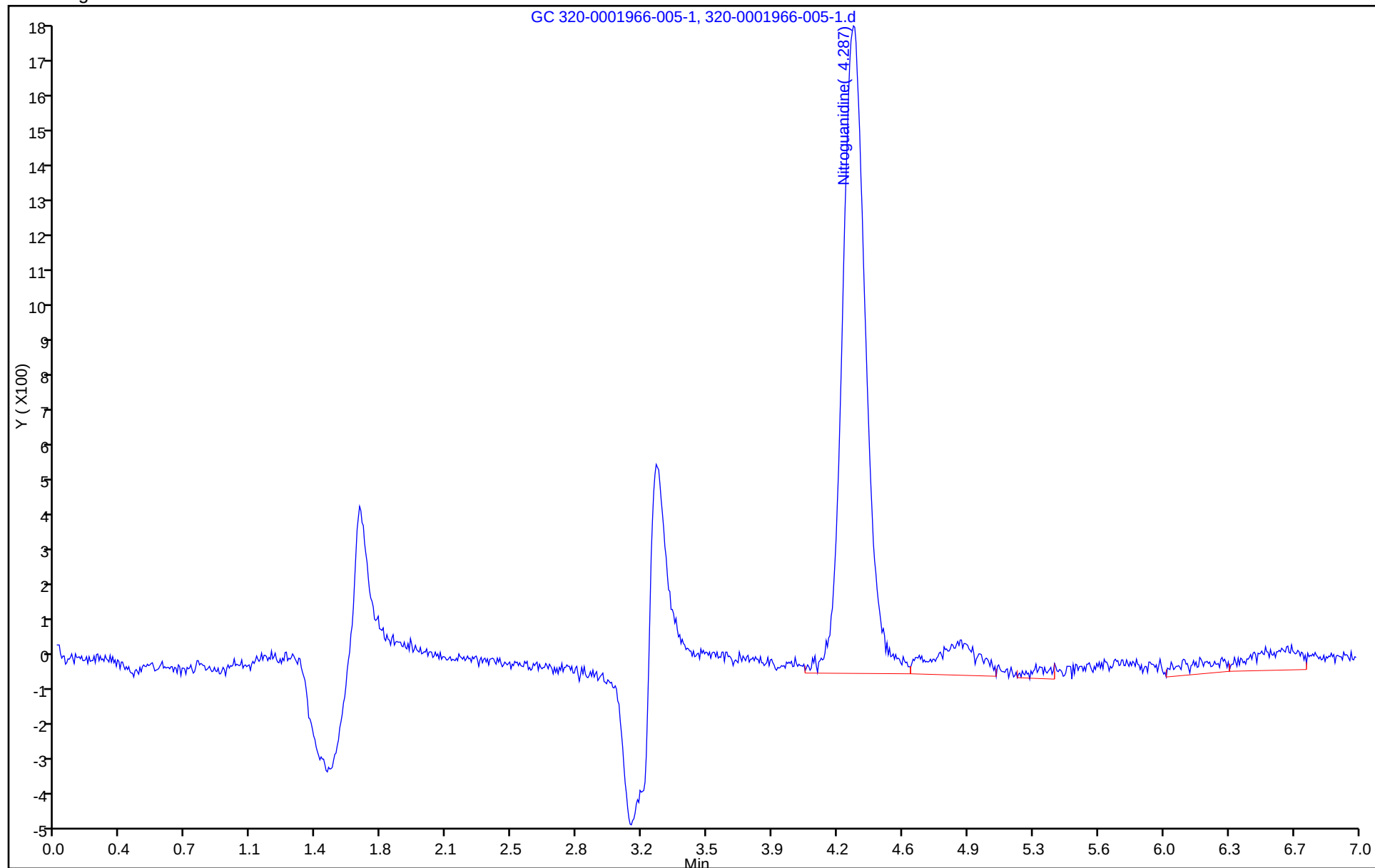
| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.287 4.267 0.020 1821 50.4

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-005-1.d  
Injection Date: 26-Dec-2012 13:32:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7846 Lims Sample ID: 5  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-006-1.d  
Lims ID: std04 Client ID:  
Inject. Date: 26-Dec-2012 13:47:00 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 4  
Sample ID: 320-0001966-006 Analysis  
Misc. Info.: none STD05  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7846 Lims Sample ID: 6  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001966-006-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m  
Last Update: 26-Dec-2012 15:16:28 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK028

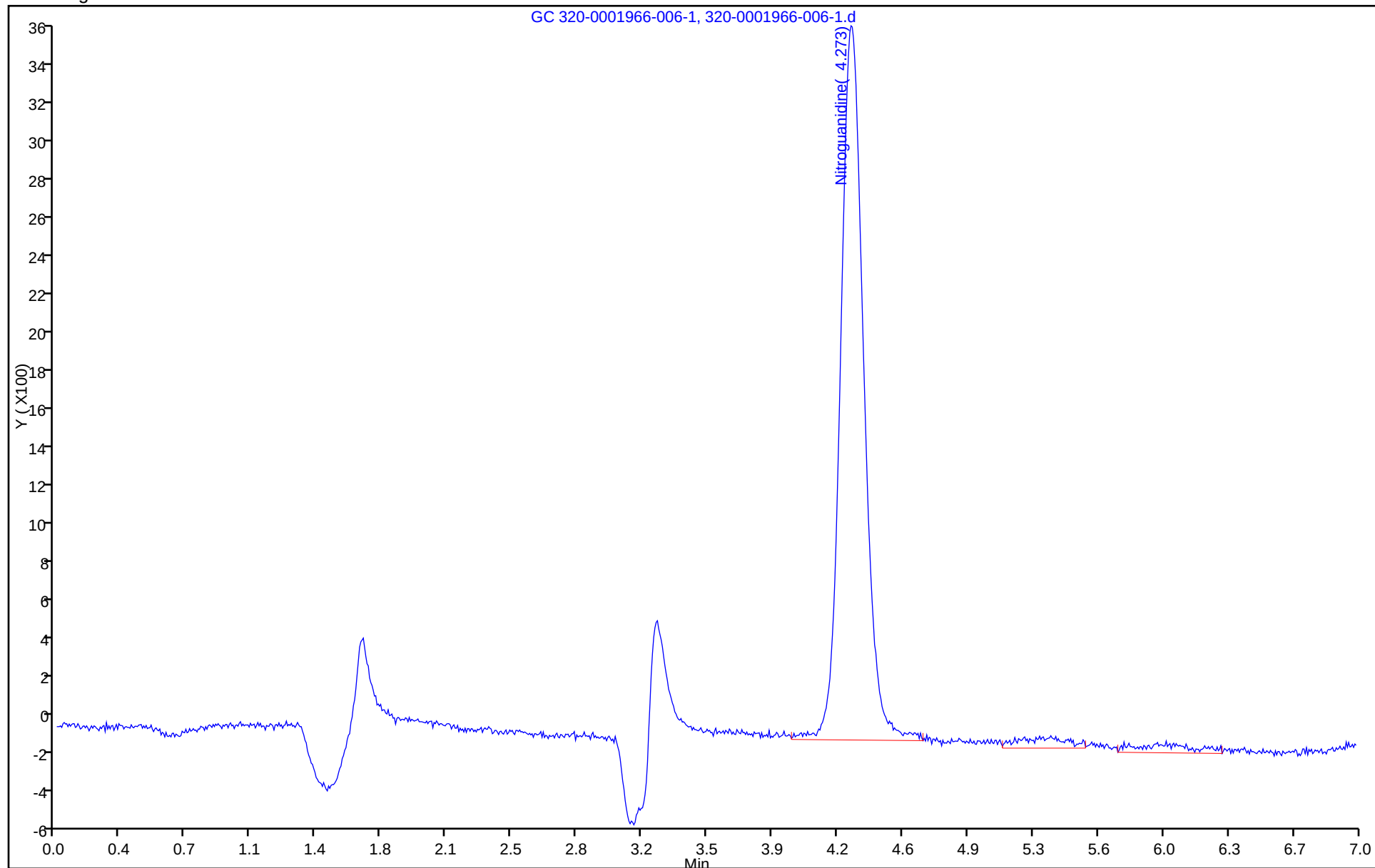
| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.273 4.267 0.006 3621 100.2

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-006-1.d  
Injection Date: 26-Dec-2012 13:47:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7846 Lims Sample ID: 6  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-007-1.d  
Lims ID: std05 Client ID:  
Inject. Date: 26-Dec-2012 14:01:00 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 5  
Sample ID: 320-0001966-007 Analysis  
Misc. Info.: none STD05  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7846 Lims Sample ID: 7  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001966-007-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m  
Last Update: 26-Dec-2012 15:10:30 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK028

| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

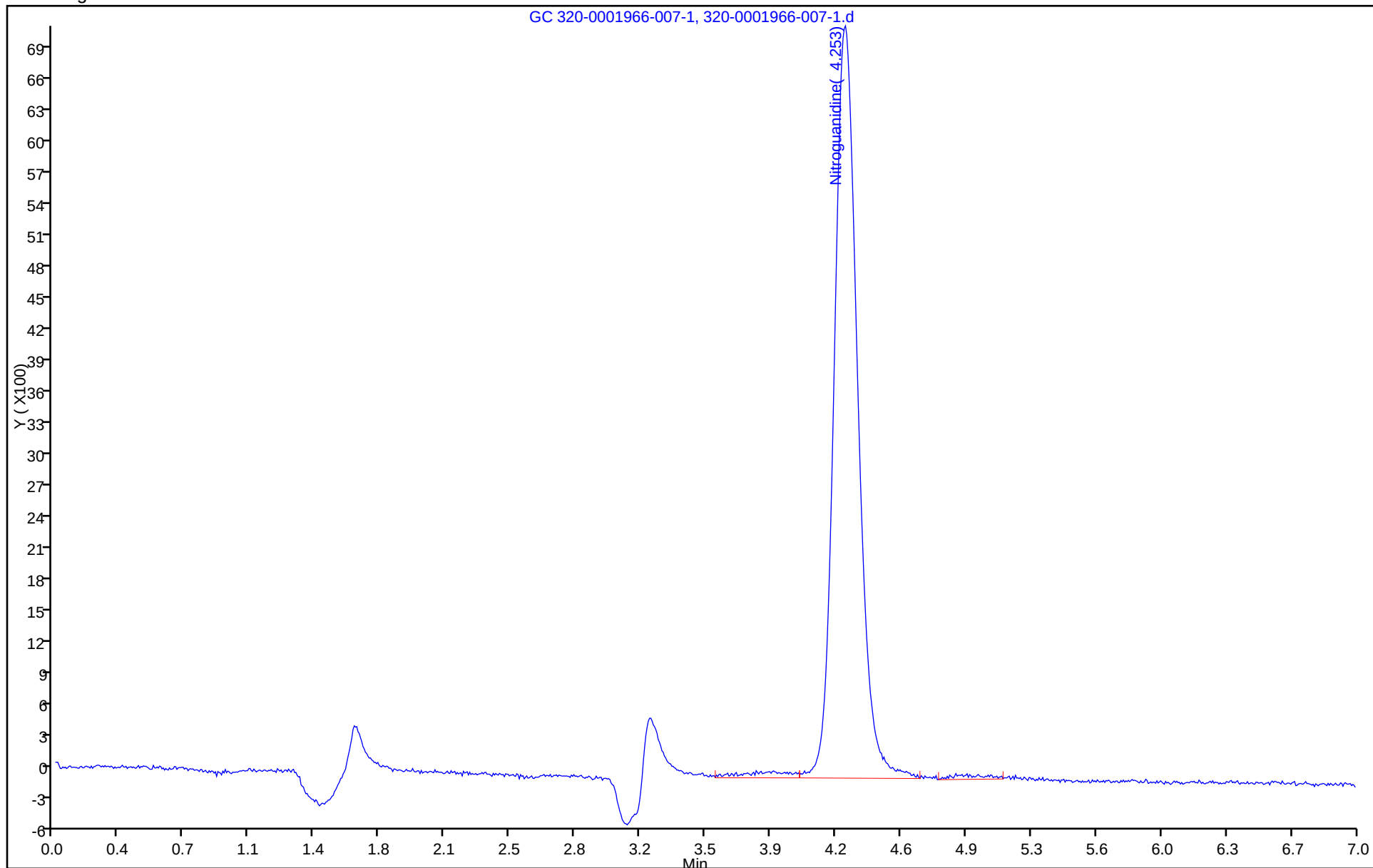
1 Nitroguanidine  
4.253 4.253 0.0 7211 199.5



## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-007-1.d  
Injection Date: 26-Dec-2012 14:01:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7846 Lims Sample ID: 7  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-008-1.d  
Lims ID: std06 Client ID:  
Inject. Date: 26-Dec-2012 14:15:00 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 6  
Sample ID: 320-0001966-008 Analysis  
Misc. Info.: none MRL  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7846 Lims Sample ID: 8  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001966-008-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m  
Last Update: 26-Dec-2012 15:10:31 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK028

| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.273 4.253 0.020 17727 490.5

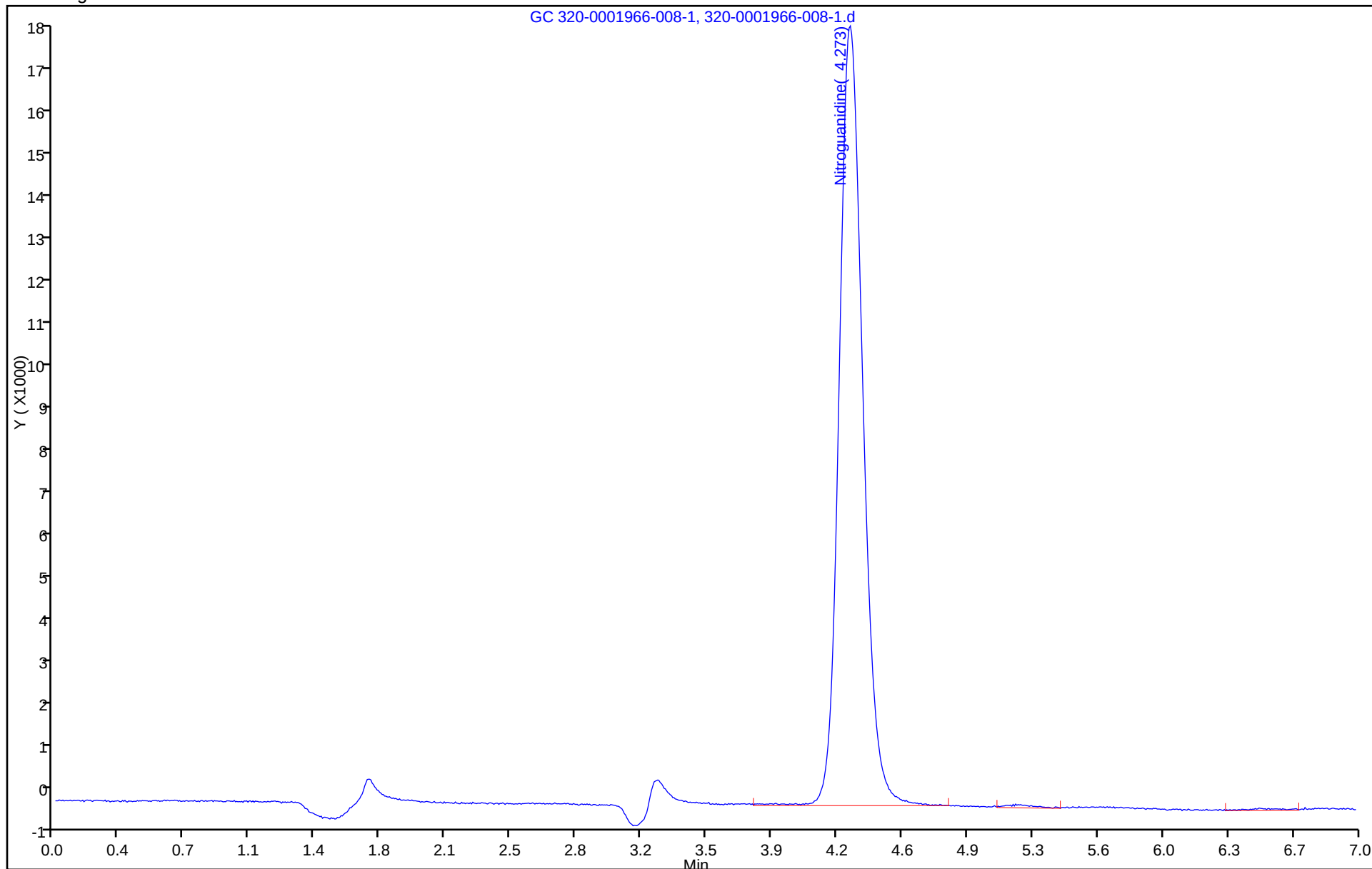
Report Date: 26-Dec-2012 15:10:31

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-008-1.d  
Injection Date: 26-Dec-2012 14:15:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7846 Lims Sample ID: 8  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Lims ID: std07 Client ID:  
Inject. Date: 26-Dec-2012 14:30:00 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 7  
Sample ID: 320-0001966-009 Analysis  
Misc. Info.: none STD05  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7846 Lims Sample ID: 9  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001966-009-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m  
Last Update: 26-Dec-2012 15:10:31 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK028

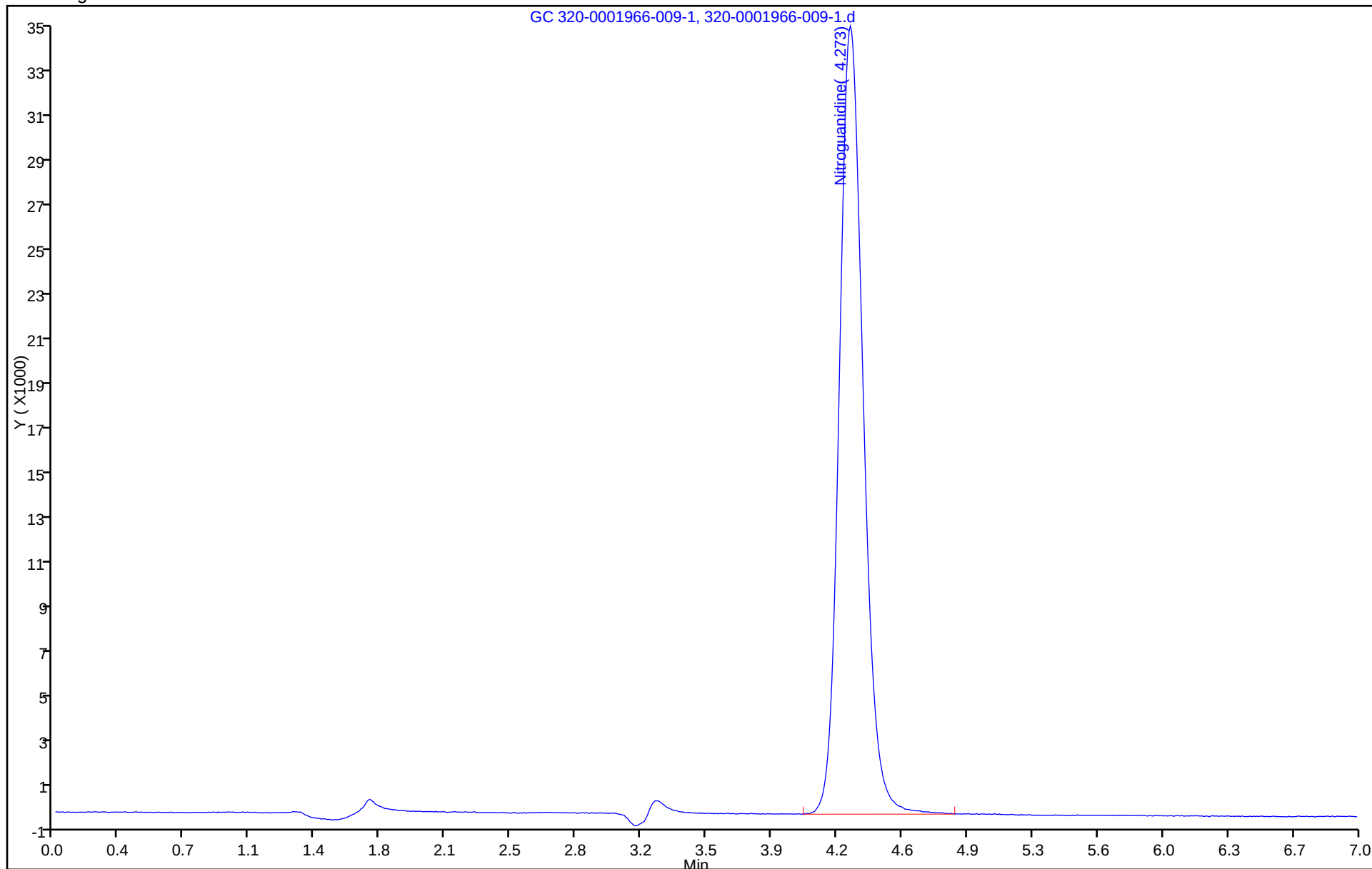
| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.273 4.253 0.020 34641 958.6

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Injection Date: 26-Dec-2012 14:30:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7846 Lims Sample ID: 9  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: ICV 320-7846/11 Calibration Date: 12/26/2012 14:58  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001966-011-1.d Conc. Units: ng/mL

| ANALYTE        | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D  | MAX<br>%D |
|----------------|---------------|--------|-------|--------|----------------|-----------------|-----|-----------|
| Nitroguanidine | Ave           | 36.14  | 36.45 |        | 202            | 200             | 0.9 | 15.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: ICV 320-7846/11 Calibration Date: 12/26/2012 14:58  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001966-011-1.d

| Analyte        | RT   | RT WINDOW |      |
|----------------|------|-----------|------|
|                |      | FROM      | TO   |
| Nitroguanidine | 4.27 | 4.02      | 4.52 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-011-1.d  
Lims ID: icv Client ID:  
Inject. Date: 26-Dec-2012 14:58:00 Dil. Factor: 1.0000  
Sample Type: ICV  
Sample ID: 320-0001966-011 Analysis  
Misc. Info.: none STD05  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7846 Lims Sample ID: 11  
Sublist:  
Detector: GC 320-0001966-011-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m  
Last Update: 26-Dec-2012 15:16:14 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 15:10:29

| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

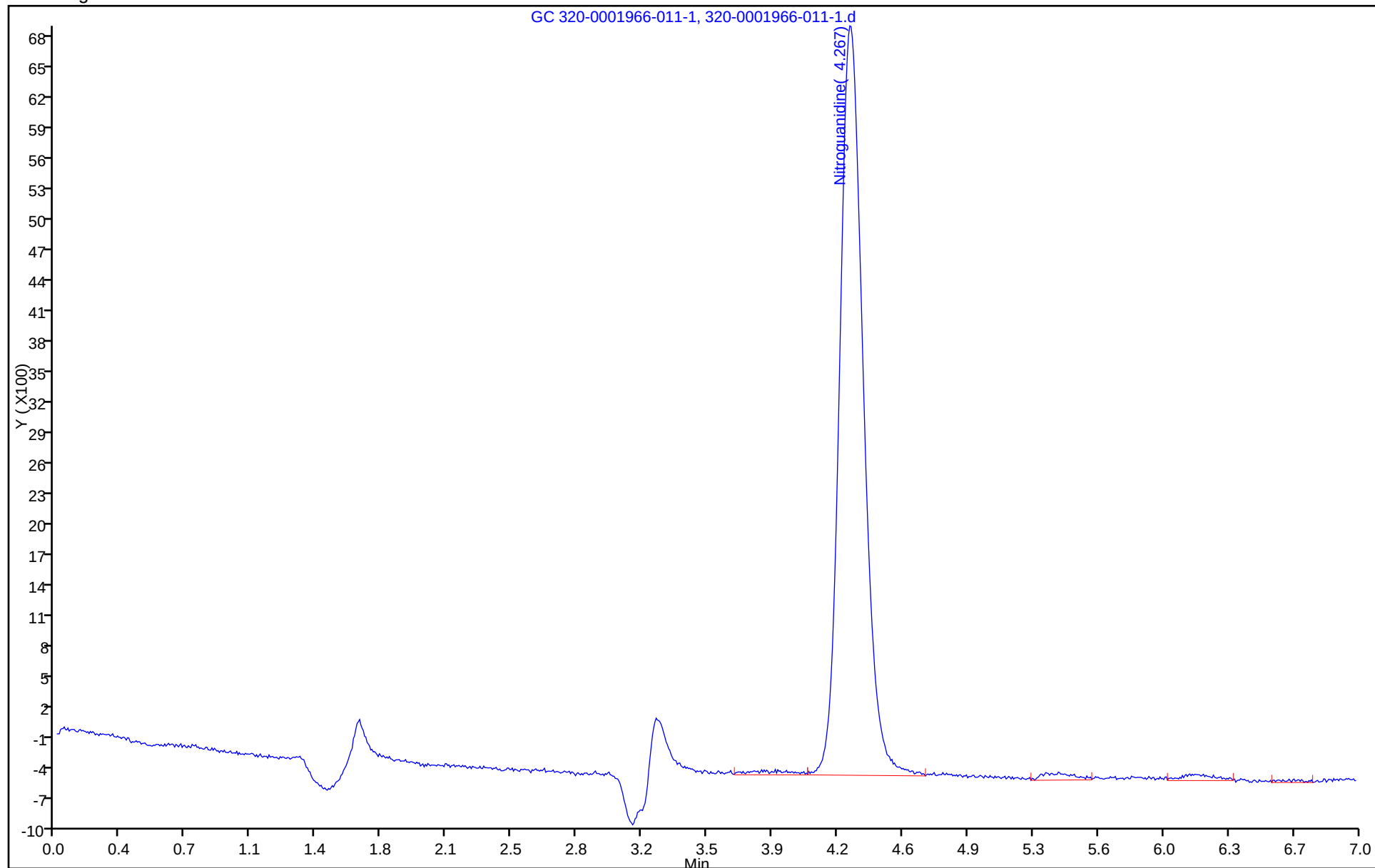
1 Nitroguanidine  
4.267 4.267 0.0 7290 201.7



## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-011-1.d  
Injection Date: 26-Dec-2012 14:58:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7846 Lims Sample ID: 11  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: LODV 320-7846/12 Calibration Date: 12/26/2012 15:13  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001966-012-1.d Conc. Units: ng/mL

| ANALYTE        | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D  | MAX<br>%D |
|----------------|---------------|--------|-------|--------|----------------|-----------------|-----|-----------|
| Nitroguanidine | Ave           | 36.14  | 36.40 |        | 5.04           | 5.00            | 0.7 |           |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: LODV 320-7846/12 Calibration Date: 12/26/2012 15:13  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001966-012-1.d

| Analyte        | RT   | RT WINDOW |      |
|----------------|------|-----------|------|
|                |      | FROM      | TO   |
| Nitroguanidine | 4.27 | 3.98      | 4.48 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d  
Lims ID: LODV Client ID:  
Inject. Date: 26-Dec-2012 15:13:00 Dil. Factor: 1.0000  
Sample Type: LODV  
Sample ID: 320-0001966-012 Analysis  
Misc. Info.: none STD05  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7846 Lims Sample ID: 12  
Detector: GC 320-0001966-012-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m  
Last Update: 26-Dec-2012 15:39:48 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 15:39:48

| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

|                  |       |       |     |      |   |
|------------------|-------|-------|-----|------|---|
| 1 Nitroguanidine |       |       |     |      | M |
| 4.267            | 4.233 | 0.034 | 182 | 5.04 | M |

## QC Flag Legend

## Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 15:39:48

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d

Injection Date: 26-Dec-2012 15:13:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 7846

Lims Sample ID: 12

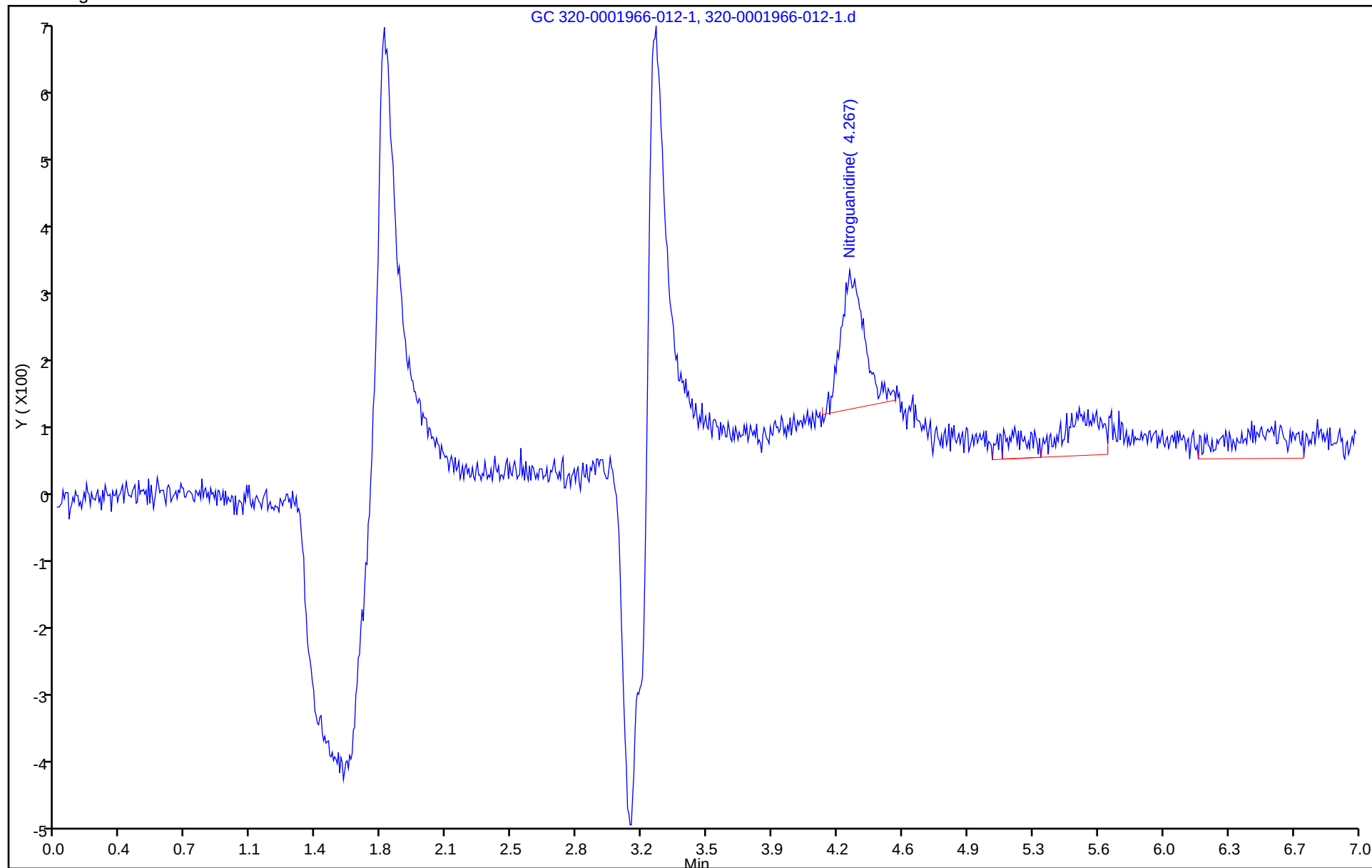
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



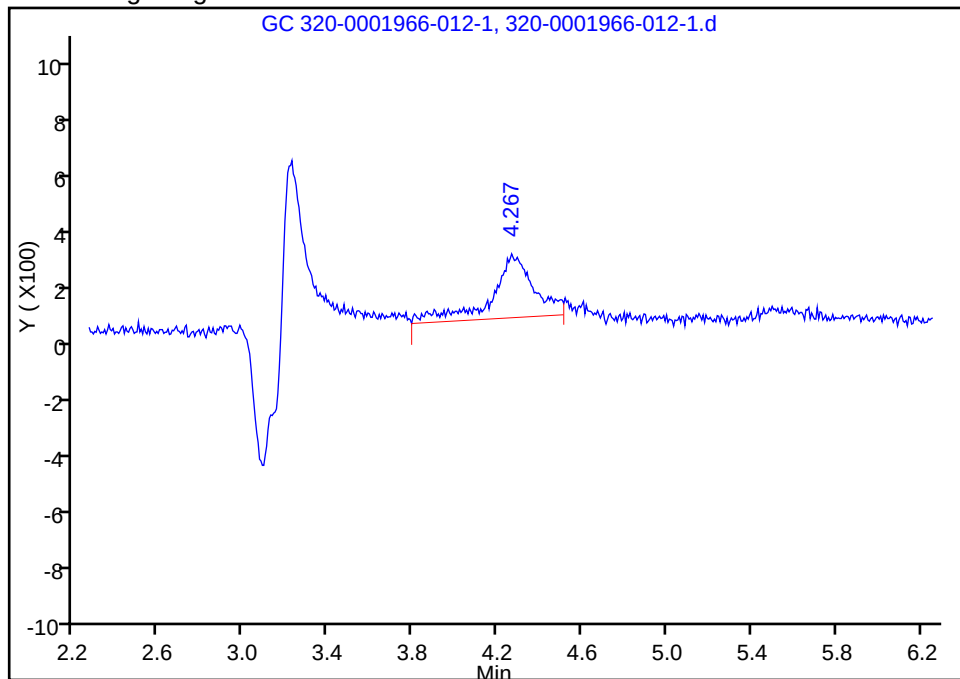
## TestAmerica West Sacramento

|                 |                                                               |                 |                  |
|-----------------|---------------------------------------------------------------|-----------------|------------------|
| Data File:      | \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d |                 |                  |
| Injection Date: | 26-Dec-2012 15:13:00                                          | Limit Group:    | LC 8330 Ngu ICAL |
| Client ID:      |                                                               | Instrument ID:  | PDA1             |
| Lims Batch ID:  | 7846                                                          | Lims Sample ID: | 12               |
| Operator ID:    | RN                                                            | Injection Vol:  | 50.0 ul          |
| Column Type:    | Luna 5u NH2 100A                                              | Column Dia:     | 4.60 mm          |

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.23

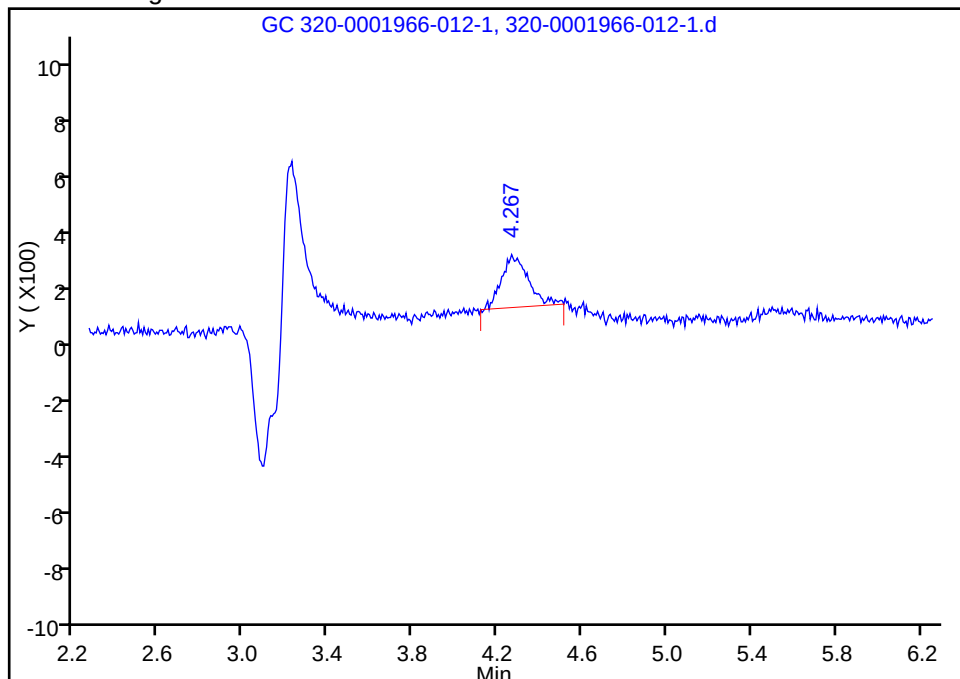
RT: 4.27  
Response: 220  
Amount: 6.087718

## Processing Integration Results



RT: 4.27  
Response: 182  
Amount: 5.036203

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 15:39:48  
Audit Action: Manually Integrated  
Audit Reason: Baseline

FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVL 320-7846/13 Calibration Date: 12/26/2012 15:27  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001966-013-1.d Conc. Units: ng/mL

| ANALYTE        | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D  | MAX<br>%D |
|----------------|---------------|--------|-------|--------|----------------|-----------------|-----|-----------|
| Nitroguanidine | Ave           | 36.14  | 39.30 |        | 21.7           | 20.0            | 8.7 | 30.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVL 320-7846/13 Calibration Date: 12/26/2012 15:27  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001966-013-1.d

| Analyte        | RT   | RT WINDOW |      |
|----------------|------|-----------|------|
|                |      | FROM      | TO   |
| Nitroguanidine | 4.23 | 3.98      | 4.48 |



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-013-1.d  
Lims ID: CCVL Client ID:  
Inject. Date: 26-Dec-2012 15:27:00 Dil. Factor: 1.0000  
Sample Type: CCVL  
Sample ID: 320-0001966-013 Analysis  
Misc. Info.: none STD05  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7846 Lims Sample ID: 13  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001966-013-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m  
Last Update: 26-Dec-2012 15:40:04 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 15:40:04

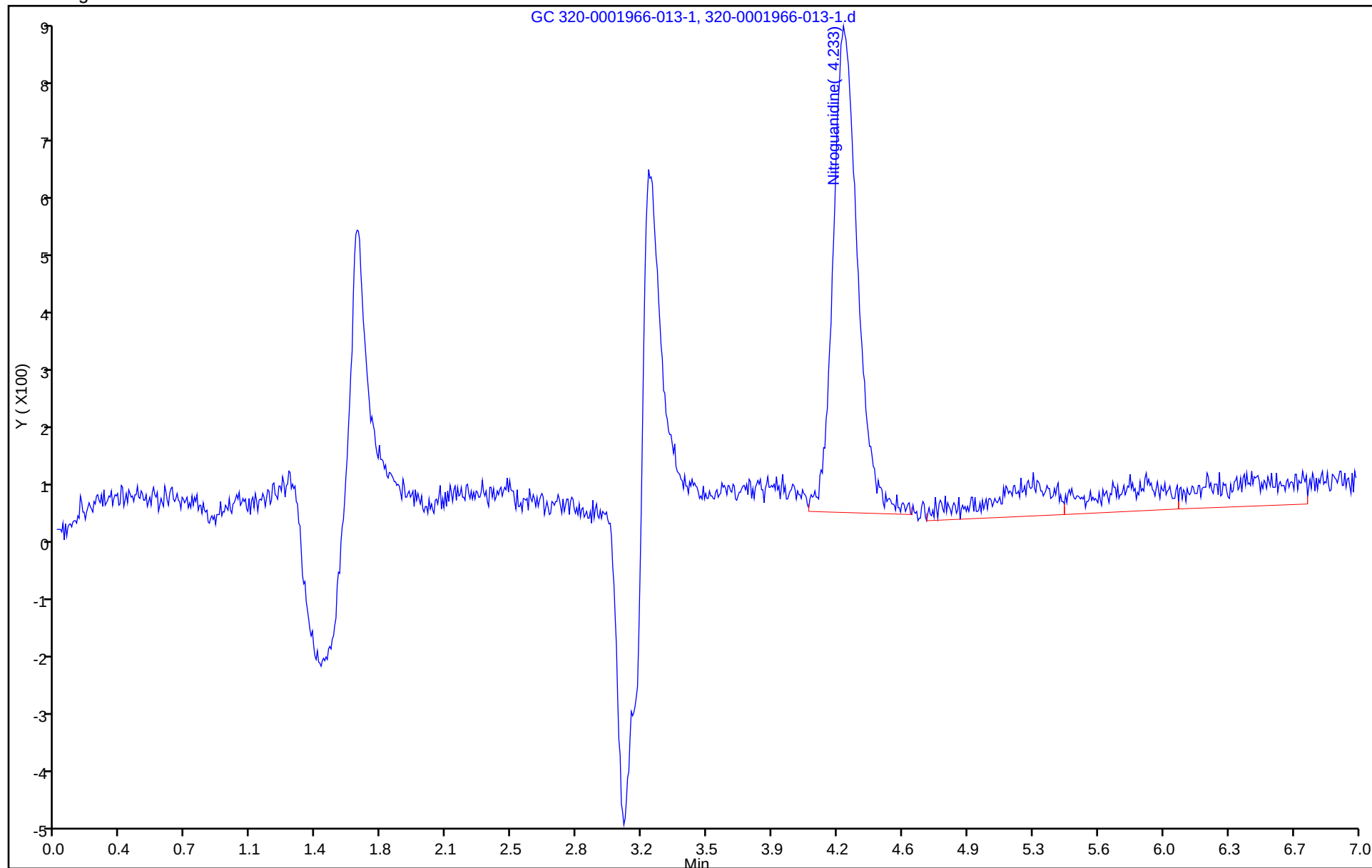
| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.233 4.233 0.0 786 21.7

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-013-1.d  
Injection Date: 26-Dec-2012 15:27:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7846 Lims Sample ID: 13  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 320-7855/42 Calibration Date: 12/27/2012 01:31  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001969-042-1.d Conc. Units: ng/mL

| ANALYTE        | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D  | MAX<br>%D |
|----------------|---------------|--------|-------|--------|----------------|-----------------|-----|-----------|
| Nitroguanidine | Ave           | 36.14  | 37.68 |        | 104            | 100             | 4.3 | 15.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 320-7855/42 Calibration Date: 12/27/2012 01:31  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001969-042-1.d

| Analyte        | RT   | RT WINDOW |      |
|----------------|------|-----------|------|
|                |      | FROM      | TO   |
| Nitroguanidine | 4.25 | 4.00      | 4.50 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-042-1.d  
Lims ID: ccv 04 Client ID:  
Inject. Date: 27-Dec-2012 01:31:00 Dil. Factor: 1.0000  
Sample Type: CCV  
Sample ID: 320-0001969-042 Analysis  
Misc. Info.: none  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7855 Lims Sample ID: 42  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001969-042-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m  
Last Update: 28-Dec-2012 08:29:36 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 08:29:36

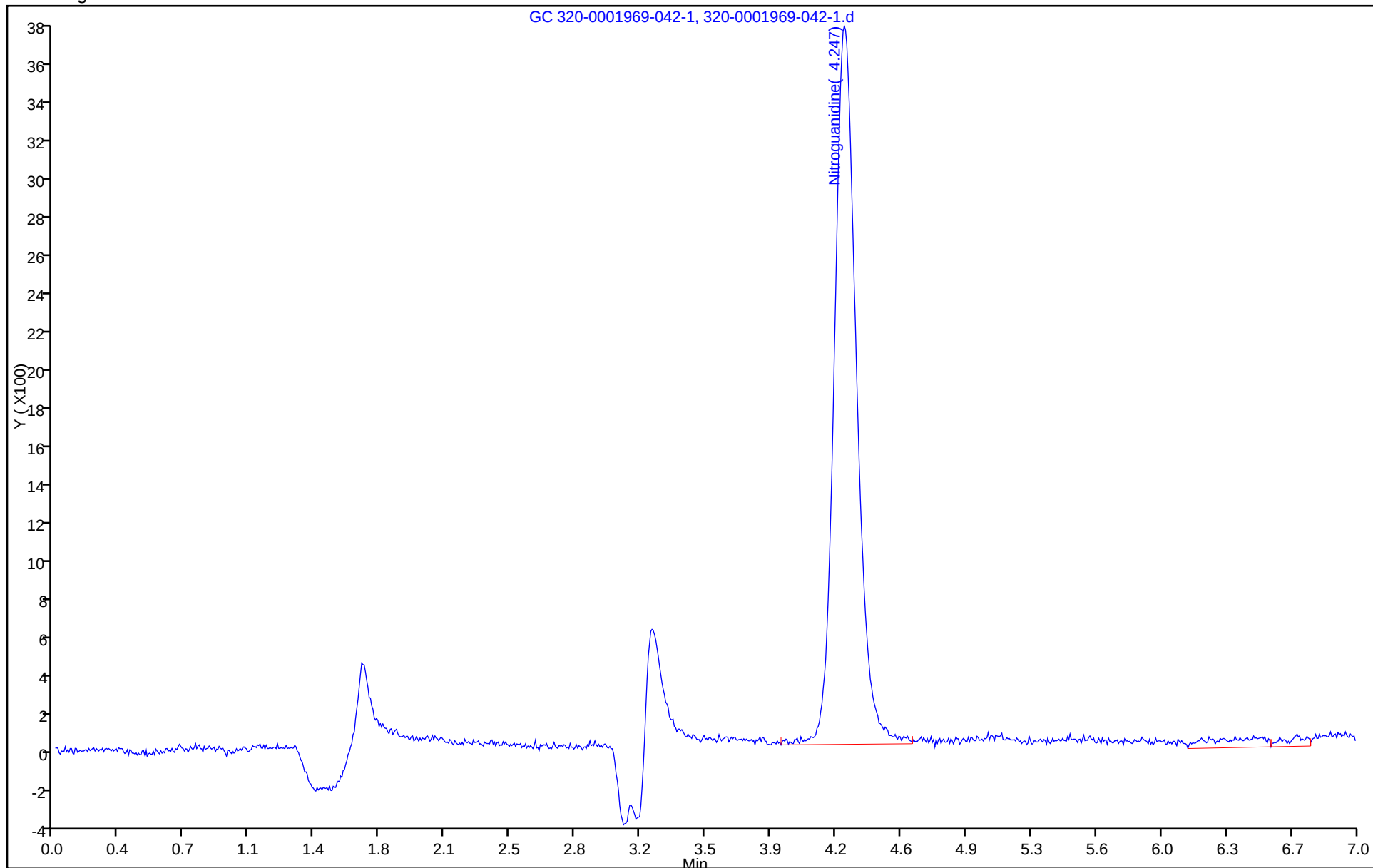
| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.247 4.247 0.0 3768 104.3

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-042-1.d  
Injection Date: 27-Dec-2012 01:31:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7855 Lims Sample ID: 42  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 320-7855/51 Calibration Date: 12/27/2012 03:40  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001969-051-1.d Conc. Units: ng/mL

| ANALYTE        | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D  | MAX<br>%D |
|----------------|---------------|--------|-------|--------|----------------|-----------------|-----|-----------|
| Nitroguanidine | Ave           | 36.14  | 37.86 |        | 105            | 100             | 4.8 | 15.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 320-7855/51 Calibration Date: 12/27/2012 03:40  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001969-051-1.d

| Analyte        | RT   | RT WINDOW |      |
|----------------|------|-----------|------|
|                |      | FROM      | TO   |
| Nitroguanidine | 4.24 | 3.99      | 4.49 |



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-051-1.d  
Lims ID: ccv 04 Client ID:  
Inject. Date: 27-Dec-2012 03:40:00 Dil. Factor: 1.0000  
Sample Type: CCV  
Sample ID: 320-0001969-051 Analysis  
Misc. Info.: none  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7855 Lims Sample ID: 51  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001969-051-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m  
Last Update: 28-Dec-2012 09:04:18 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:04:18

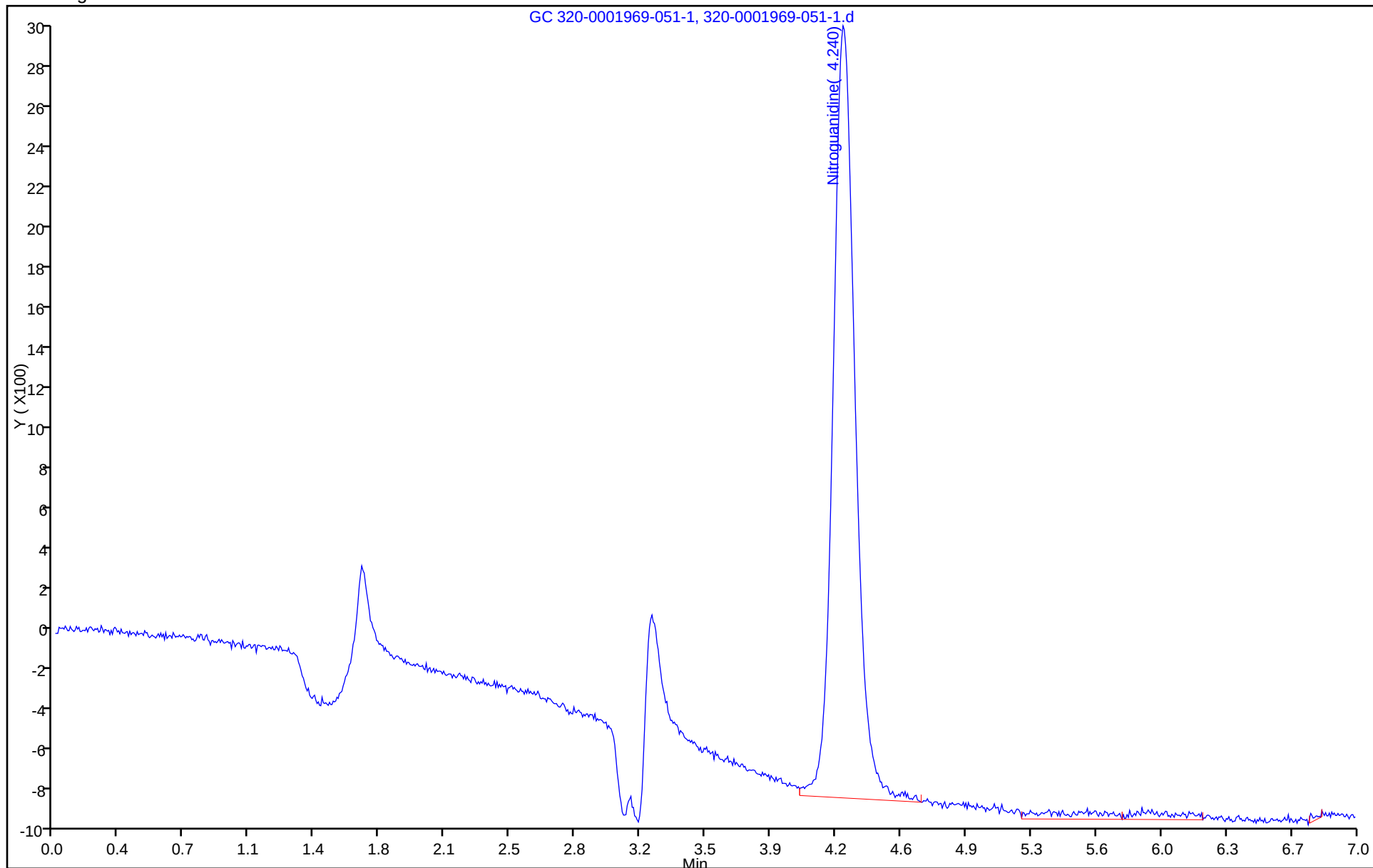
| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.240 4.240 0.0 3786 104.8

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-051-1.d  
Injection Date: 27-Dec-2012 03:40:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7855 Lims Sample ID: 51  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 320-7855/58 Calibration Date: 12/27/2012 05:20  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001969-058-1.d Conc. Units: ng/mL

| ANALYTE        | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D  | MAX<br>%D |
|----------------|---------------|--------|-------|--------|----------------|-----------------|-----|-----------|
| Nitroguanidine | Ave           | 36.14  | 37.59 |        | 104            | 100             | 4.0 | 15.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 320-7855/58 Calibration Date: 12/27/2012 05:20  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001969-058-1.d

| Analyte        | RT   | RT WINDOW |      |
|----------------|------|-----------|------|
|                |      | FROM      | TO   |
| Nitroguanidine | 4.26 | 4.01      | 4.51 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-058-1.d  
Lims ID: ccv 04 Client ID:  
Inject. Date: 27-Dec-2012 05:20:00 Dil. Factor: 1.0000  
Sample Type: CCV  
Sample ID: 320-0001969-058 Analysis  
Misc. Info.: none  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7855 Lims Sample ID: 58  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001969-058-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m  
Last Update: 28-Dec-2012 09:13:22 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:13:22

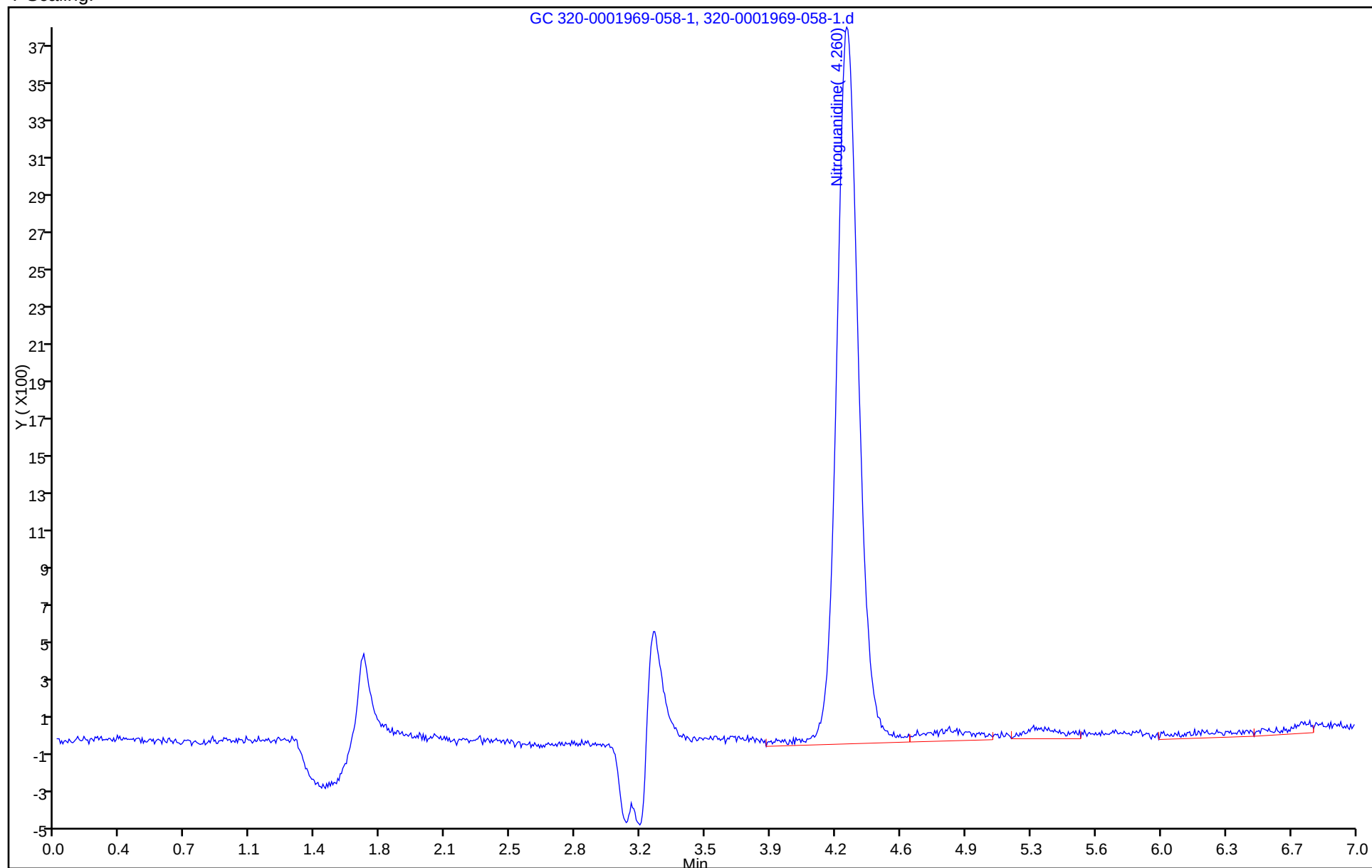
| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.260 4.260 0.0 3759 104.0

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-058-1.d  
Injection Date: 27-Dec-2012 05:20:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7855 Lims Sample ID: 58  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVL 320-7855/59 Calibration Date: 12/27/2012 05:34  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001969-059-1.d Conc. Units: ng/mL

| ANALYTE        | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D  | MAX<br>%D |
|----------------|---------------|--------|-------|--------|----------------|-----------------|-----|-----------|
| Nitroguanidine | Ave           | 36.14  | 39.70 |        | 22.0           | 20.0            | 9.9 | 30.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVL 320-7855/59 Calibration Date: 12/27/2012 05:34  
Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18  
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 12/26/2012 14:30  
Lab File ID: 320-0001969-059-1.d

| Analyte        | RT   | RT WINDOW |      |
|----------------|------|-----------|------|
|                |      | FROM      | TO   |
| Nitroguanidine | 4.25 | 4.00      | 4.50 |



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-059-1.d  
Lims ID: CCVL Client ID:  
Inject. Date: 27-Dec-2012 05:34:00 Dil. Factor: 1.0000  
Sample Type: CCVL  
Sample ID: 320-0001969-059 Analysis  
Misc. Info.: none  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7855 Lims Sample ID: 59  
Sublist: chrom-NGu Primary\*sub1  
Detector: GC 320-0001969-059-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m  
Last Update: 28-Dec-2012 09:14:30 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:14:30

| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.253 4.253 0.0 794 22.0

Report Date: 28-Dec-2012 09:14:30

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-059-1.d

Injection Date: 27-Dec-2012 05:34:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 7855

Lims Sample ID: 59

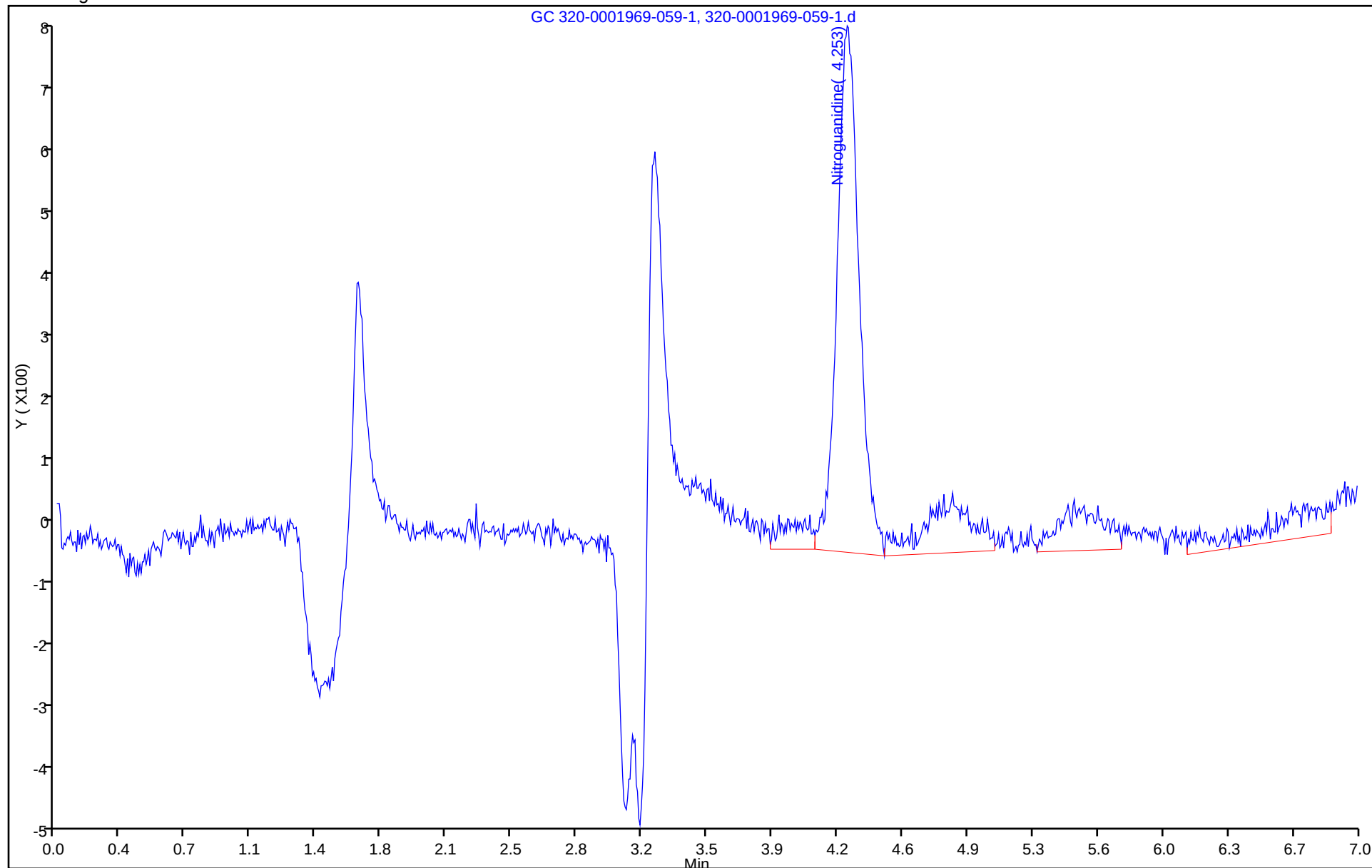
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



FORM I  
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 320-7807/1-A  
Matrix: Water Lab File ID: 320-0001969-050-1.d  
Analysis Method: 8330 Modified Date Collected: \_\_\_\_\_  
Extraction Method: Filtration Date Extracted: 12/24/2012 12:40  
Sample wt/vol: 10 (mL) Date Analyzed: 12/27/2012 03:25  
Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
Injection Volume: 50 (uL) GC Column: Luna NH2 ID: 4.6 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 7855 Units: ug/L

| CAS NO.  | COMPOUND NAME  | RESULT | Q | LOQ | LOD | DL  |
|----------|----------------|--------|---|-----|-----|-----|
| 556-88-7 | Nitroguanidine | 6.0    | U | 20  | 6.0 | 2.4 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-050-1.d  
Lims ID: MB 320-7807/1-A Client ID:  
Inject. Date: 27-Dec-2012 03:25:00 Dil. Factor: 1.0000  
Sample Type: MB  
Sample ID: 320-0001969-050 Analysis  
Misc. Info.: none  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7855 Lims Sample ID: 50  
Detector: GC 320-0001969-050-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m  
Last Update: 28-Dec-2012 09:03:26 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:04:05

| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

Report Date: 28-Dec-2012 09:04:05

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-050-1.d

Injection Date: 27-Dec-2012 03:25:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 7855

Lims Sample ID: 50

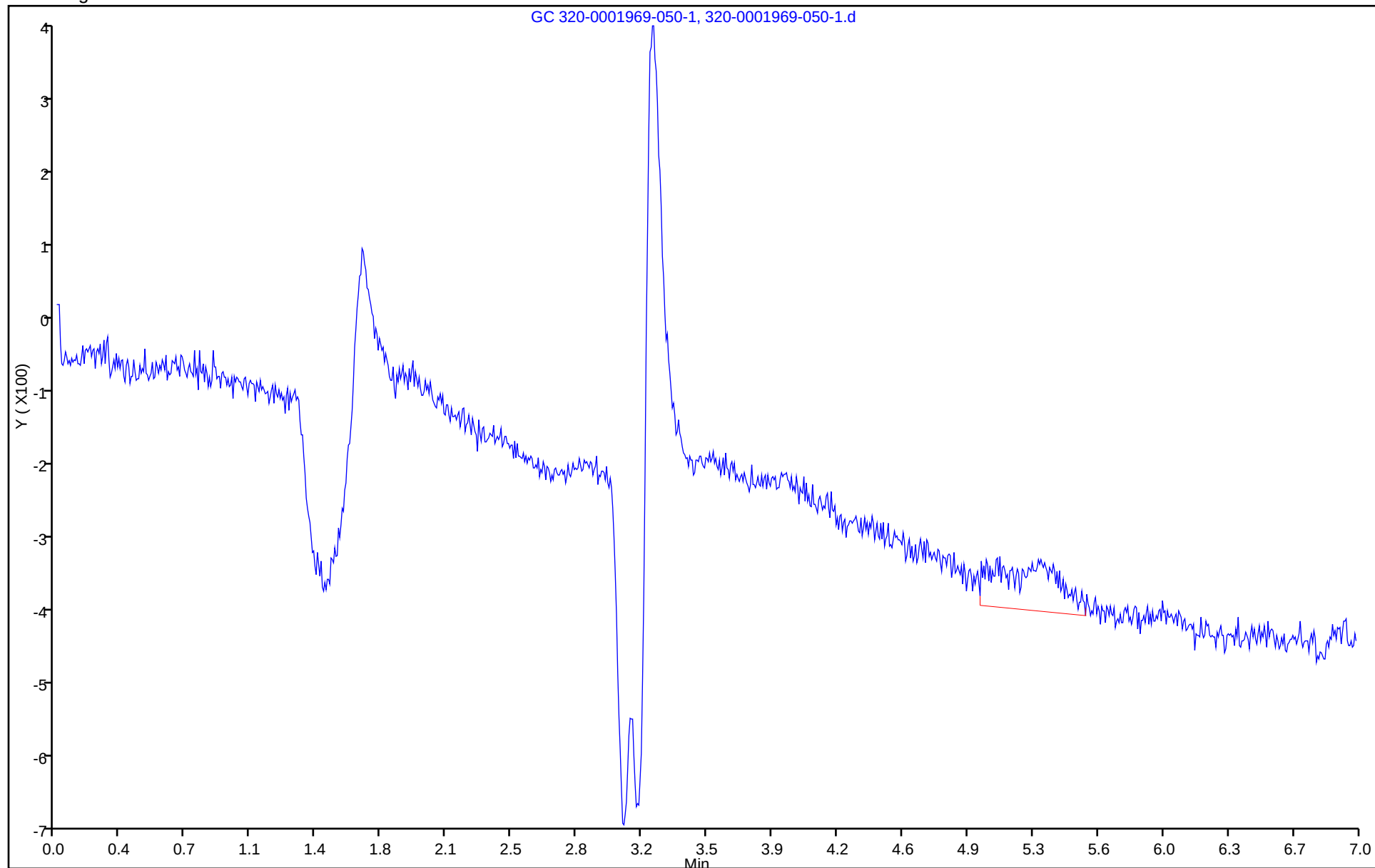
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



FORM I  
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 320-7807/2-A  
Matrix: Water Lab File ID: 320-0001969-052-1.d  
Analysis Method: 8330 Modified Date Collected: \_\_\_\_\_  
Extraction Method: Filtration Date Extracted: 12/24/2012 12:40  
Sample wt/vol: 10 (mL) Date Analyzed: 12/27/2012 03:54  
Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
Injection Volume: 50 (uL) GC Column: Luna NH2 ID: 4.6 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 7855 Units: ug/L

| CAS NO.  | COMPOUND NAME  | RESULT | Q | LOQ | LOD | DL  |
|----------|----------------|--------|---|-----|-----|-----|
| 556-88-7 | Nitroguanidine | 255    |   | 20  | 6.0 | 2.4 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-052-1.d  
Lims ID: LCS 320-7807/2-A Client ID:  
Inject. Date: 27-Dec-2012 03:54:00 Dil. Factor: 1.0000  
Sample Type: LCS  
Sample ID: 320-0001969-052 Analysis  
Misc. Info.: none  
Operator: RN Instrument ID: PDA1  
Injection Vol: 50.0 ul ALS Bottle#: 0  
Lims Batch ID: 7855 Lims Sample ID: 52  
Detector: GC 320-0001969-052-1  
Method: \\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m  
Last Update: 28-Dec-2012 09:05:22 Calib Date: 26-Dec-2012 14:30:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d  
Limit Group: LC 8330 Ngu ICAL  
Integrator: Falcon  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm  
Process Host: XAWRK013

First Level Reviewer: noonanr

Date: 28-Dec-2012 09:05:22

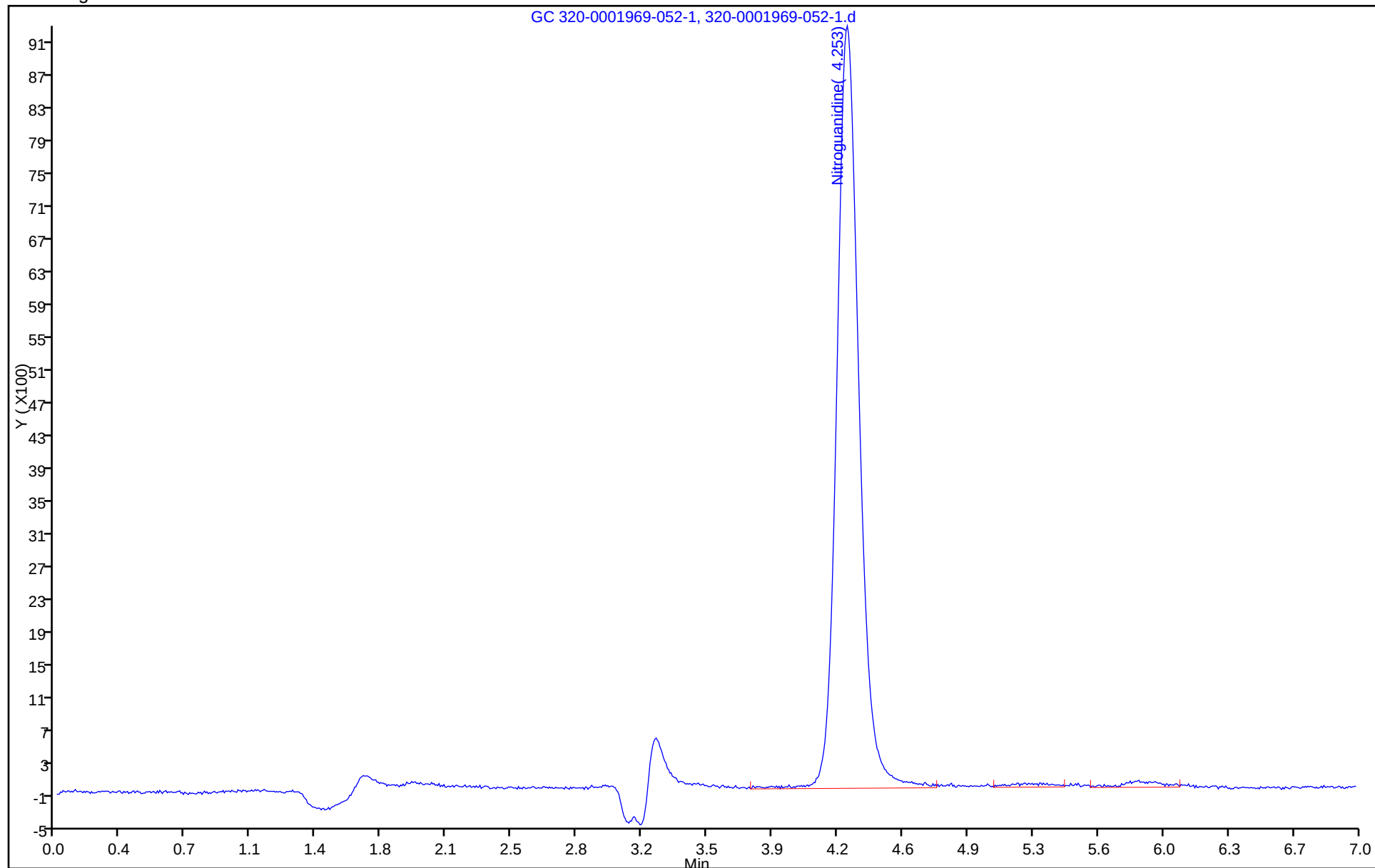
| RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|----|-----------|-----------|----------|---------------------|-------|
|----|-----------|-----------|----------|---------------------|-------|

1 Nitroguanidine  
4.253 4.240 0.013 9211 254.9

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-052-1.d  
Injection Date: 27-Dec-2012 03:54:00 Limit Group: LC 8330 Ngu ICAL  
Client ID: Instrument ID: PDA1  
Lims Batch ID: 7855 Lims Sample ID: 52  
Operator ID: RN Injection Vol: 50.0 ul  
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:





## HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: PDA1 Start Date: 12/26/2012 13:04Analysis Batch Number: 7846 End Date: 12/26/2012 15:27

| LAB SAMPLE ID       | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID             | COLUMN ID         |
|---------------------|------------------|------------------|--------------------|-------------------------|-------------------|
| ZZZZZ               |                  | 12/26/2012 13:04 | 1                  |                         | Luna NH2 4.6 (mm) |
| STD02 320-7846/4 IC |                  | 12/26/2012 13:18 | 1                  | 320-0001966-004<br>-1.d | Luna NH2 4.6 (mm) |
| STD03 320-7846/5 IC |                  | 12/26/2012 13:32 | 1                  | 320-0001966-005<br>-1.d | Luna NH2 4.6 (mm) |
| STD04 320-7846/6 IC |                  | 12/26/2012 13:47 | 1                  | 320-0001966-006<br>-1.d | Luna NH2 4.6 (mm) |
| STD05 320-7846/7 IC |                  | 12/26/2012 14:01 | 1                  | 320-0001966-007<br>-1.d | Luna NH2 4.6 (mm) |
| STD06 320-7846/8 IC |                  | 12/26/2012 14:15 | 1                  | 320-0001966-008<br>-1.d | Luna NH2 4.6 (mm) |
| STD07 320-7846/9 IC |                  | 12/26/2012 14:30 | 1                  | 320-0001966-009<br>-1.d | Luna NH2 4.6 (mm) |
| ZZZZZ               |                  | 12/26/2012 14:44 | 1                  |                         | Luna NH2 4.6 (mm) |
| ICV 320-7846/11     |                  | 12/26/2012 14:58 | 1                  | 320-0001966-011<br>-1.d | Luna NH2 4.6 (mm) |
| LODV 320-7846/12    |                  | 12/26/2012 15:13 | 1                  | 320-0001966-012<br>-1.d | Luna NH2 4.6 (mm) |
| CCVL 320-7846/13    |                  | 12/26/2012 15:27 | 1                  | 320-0001966-013<br>-1.d | Luna NH2 4.6 (mm) |

## HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica SacramentoJob No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: PDA1Start Date: 12/26/2012 15:41Analysis Batch Number: 7855End Date: 12/27/2012 05:34

| LAB SAMPLE ID   | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID             | COLUMN ID         |
|-----------------|------------------|------------------|--------------------|-------------------------|-------------------|
| ZZZZZ           |                  | 12/26/2012 15:41 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 15:56 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 16:10 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 16:24 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 16:39 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 16:53 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 17:08 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 17:22 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 17:36 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 17:51 | 1                  |                         | Luna NH2 4.6 (mm) |
| CCV 320-7855/11 |                  | 12/26/2012 18:05 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 18:19 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 18:34 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 18:48 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 19:03 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 19:17 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 19:31 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 19:46 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 20:00 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 20:14 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 20:29 | 1                  |                         | Luna NH2 4.6 (mm) |
| CCV 320-7855/22 |                  | 12/26/2012 20:43 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 20:58 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 21:12 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 21:26 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 21:41 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 21:55 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 22:09 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 22:24 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 22:38 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 22:53 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 23:07 | 1                  |                         | Luna NH2 4.6 (mm) |
| CCV 320-7855/33 |                  | 12/26/2012 23:21 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 23:36 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/26/2012 23:50 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/27/2012 00:04 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/27/2012 00:19 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/27/2012 00:33 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/27/2012 00:47 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/27/2012 01:02 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/27/2012 01:16 | 1                  |                         | Luna NH2 4.6 (mm) |
| CCV 320-7855/42 |                  | 12/27/2012 01:31 | 1                  | 320-0001969-042<br>-1.d | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/27/2012 01:45 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ           |                  | 12/27/2012 01:59 | 1                  |                         | Luna NH2 4.6 (mm) |

## HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: PDA1 Start Date: 12/26/2012 15:41Analysis Batch Number: 7855 End Date: 12/27/2012 05:34

| LAB SAMPLE ID    | CLIENT SAMPLE ID              | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID             | COLUMN ID         |
|------------------|-------------------------------|------------------|--------------------|-------------------------|-------------------|
| ZZZZZ            |                               | 12/27/2012 02:14 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ            |                               | 12/27/2012 02:28 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ            |                               | 12/27/2012 02:42 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ            |                               | 12/27/2012 02:57 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ            |                               | 12/27/2012 03:11 | 1                  |                         | Luna NH2 4.6 (mm) |
| MB 320-7807/1-A  |                               | 12/27/2012 03:25 | 1                  | 320-0001969-050<br>-1.d | Luna NH2 4.6 (mm) |
| CCV 320-7855/51  |                               | 12/27/2012 03:40 | 1                  | 320-0001969-051<br>-1.d | Luna NH2 4.6 (mm) |
| LCS 320-7807/2-A |                               | 12/27/2012 03:54 | 1                  | 320-0001969-052<br>-1.d | Luna NH2 4.6 (mm) |
| ZZZZZ            |                               | 12/27/2012 04:08 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ            |                               | 12/27/2012 04:23 | 1                  |                         | Luna NH2 4.6 (mm) |
| ZZZZZ            |                               | 12/27/2012 04:37 | 1                  |                         | Luna NH2 4.6 (mm) |
| 240-18735-3      | 070-0056-0001-SOURCE<br>WATER | 12/27/2012 04:51 | 1                  | 320-0001969-056<br>-1.d | Luna NH2 4.6 (mm) |
| 240-18735-4      | 070-0057-0001-SOURCE<br>WATER | 12/27/2012 05:06 | 1                  | 320-0001969-057<br>-1.d | Luna NH2 4.6 (mm) |
| CCV 320-7855/58  |                               | 12/27/2012 05:20 | 1                  | 320-0001969-058<br>-1.d | Luna NH2 4.6 (mm) |
| CCVL 320-7855/59 |                               | 12/27/2012 05:34 | 1                  | 320-0001969-059<br>-1.d | Luna NH2 4.6 (mm) |

## HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 7807 Batch Start Date: 12/24/12 12:40 Batch Analyst: Phan, TuanBatch Method: Filtration Batch End Date: 12/24/12 13:30

| Lab Sample ID  | Client Sample ID               | Method Chain                    | Basis | InitialAmount | FinalAmount | HPNQSP 00006 |  |  |  |
|----------------|--------------------------------|---------------------------------|-------|---------------|-------------|--------------|--|--|--|
| MB 320-7807/1  |                                | Filtration,<br>8330<br>Modified |       | 10 mL         | 10 mL       |              |  |  |  |
| LCS 320-7807/2 |                                | Filtration,<br>8330<br>Modified |       | 10 mL         | 10 mL       | 50 uL        |  |  |  |
| 240-18735-Q-3  | 070-0056-0001-SO<br>URCE WATER | Filtration,<br>8330<br>Modified | T     | 10 mL         | 10 mL       |              |  |  |  |
| 240-18735-Q-4  | 070-0057-0001-SO<br>URCE WATER | Filtration,<br>8330<br>Modified | T     | 10 mL         | 10 mL       |              |  |  |  |

| Batch Notes  |                                                            |
|--------------|------------------------------------------------------------|
| Filter Lot # | Millipore R2DA02309, MILLIPORE WATER DISPENSED<br>12/13/12 |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8330 Modified

Page 1 of 1

# Method 8330B

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Nitroaromatics and Nitramines (HPLC)  
by Method 8330B

FORM II  
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low  
GC Column (1): Synergi C18 ID: 4.6 (mm)

| Client Sample ID               | Lab Sample ID    | DNT1 # |
|--------------------------------|------------------|--------|
| 070-0056-0001-SOUR<br>CE WATER | 240-18735-3      | 91     |
| 070-0057-0001-SOUR<br>CE WATER | 240-18735-4      | 93     |
|                                | MB 320-7404/1-A  | 97     |
|                                | LCS 320-7404/2-A | 97     |

DNT = 3,4-Dinitrotoluene

QC LIMITS  
79-111

# Column to be used to flag recovery values

FORM II 8330B

FORM III  
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: S000069.D  
 Lab ID: LCS 320-7404/2-A Client ID: \_\_\_\_\_

| COMPOUND                   | SPIKE<br>ADDED<br>(ug/L) | LCS<br>CONCENTRATION<br>(ug/L) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|----------------------------|--------------------------|--------------------------------|-----------------|---------------------|---|
| 1,3,5-Trinitrobenzene      | 1.00                     | 1.05                           | 105             | 74-120              |   |
| 1,3-Dinitrobenzene         | 1.00                     | 1.08                           | 108             | 72-123              |   |
| 2,4,6-Trinitrotoluene      | 1.00                     | 0.993                          | 99              | 69-111              |   |
| 2,4-Dinitrotoluene         | 1.00                     | 1.02                           | 102             | 70-119              |   |
| 2,6-Dinitrotoluene         | 1.00                     | 1.01                           | 101             | 71-119              |   |
| 2-Amino-4,6-dinitrotoluene | 1.00                     | 1.04                           | 104             | 77-123              |   |
| 2-Nitrotoluene             | 1.00                     | 0.936                          | 94              | 64-120              |   |
| 3-Nitrotoluene             | 1.00                     | 0.981                          | 98              | 67-114              |   |
| 4-Nitrotoluene             | 1.00                     | 0.982                          | 98              | 67-115              |   |
| 4-Amino-2,6-dinitrotoluene | 1.00                     | 1.05                           | 105             | 68-113              |   |
| HMX                        | 1.00                     | 1.04                           | 104             | 67-115              |   |
| RDX                        | 1.00                     | 1.10                           | 110             | 68-122              |   |
| Nitrobenzene               | 1.00                     | 1.06                           | 106             | 69-119              |   |
| Tetryl                     | 1.00                     | 0.969                          | 97              | 66-105              |   |
| Nitroglycerin              | 5.00                     | 4.97                           | 99              | 85-115              |   |
| PETN                       | 5.00                     | 4.53                           | 91              | 84-117              |   |

# Column to be used to flag recovery and RPD values

FORM IV  
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: MB 320-7404/1-A  
Matrix: Water Date Extracted: 12/14/2012 11:07  
Lab File ID: (1) S000068.D Lab File ID: (2) \_\_\_\_\_  
Date Analyzed: (1) 12/21/2012 13:22 Date Analyzed: (2) \_\_\_\_\_  
Instrument ID: (1) LC10 Instrument ID: (2) \_\_\_\_\_  
GC Column: (1) Synergi C18 ID: 4.6 (mm) GC Column: (2) \_\_\_\_\_ ID: \_\_\_\_\_

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID              | LAB SAMPLE ID    | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------------------|------------------|--------------------|--------------------|
|                               | LCS 320-7404/2-A | 12/21/2012 14:02   |                    |
| 070-0056-0001-SOURCE<br>WATER | 240-18735-3      | 12/21/2012 15:22   |                    |
| 070-0057-0001-SOURCE<br>WATER | 240-18735-4      | 12/21/2012 16:02   |                    |



FORM VIII  
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCV 320-7620/67 Date Analyzed: 12/21/2012 12:41  
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)  
 Lab File ID (Standard): S000067.D Heated Purge: (Y/N) N  
 Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

|                                  |                               |                  |             | DNT     |  |  |
|----------------------------------|-------------------------------|------------------|-------------|---------|--|--|
|                                  |                               |                  |             | RT #    |  |  |
| CONTINUING CALIBRATION SURROGATE |                               |                  |             | 16.75   |  |  |
| UPPER LIMIT                      |                               |                  |             | 16.95   |  |  |
| LOWER LIMIT                      |                               |                  |             | 16.55   |  |  |
| LAB SAMPLE ID                    | CLIENT SAMPLE ID              | DATE ANALYZED    | LAB FILE ID |         |  |  |
| CCV 320-7620/67<br>CCVRT         |                               | 12/21/2012 12:41 | S000067.D   | 16.75   |  |  |
| MB 320-7404/1-A                  |                               | 12/21/2012 13:22 | S000068.D   | 17.30 * |  |  |
| LCS 320-7404/2-A                 |                               | 12/21/2012 14:02 | S000069.D   | 16.74   |  |  |
| 240-18735-3                      | 070-0056-0001-SOURCE<br>WATER | 12/21/2012 15:22 | S000071.D   | 16.77   |  |  |
| 240-18735-4                      | 070-0057-0001-SOURCE<br>WATER | 12/21/2012 16:02 | S000072.D   | 16.84   |  |  |

DNT = 3,4-Dinitrotoluene

DNT RT Limit =  $\pm 0.2$  minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII  
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCV 320-7620/73 Date Analyzed: 12/21/2012 16:42  
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)  
 Lab File ID (Standard): S000073.D Heated Purge: (Y/N) N  
 Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

|                                  |                  |                  |             |       |  |  |
|----------------------------------|------------------|------------------|-------------|-------|--|--|
|                                  |                  |                  |             | DNT   |  |  |
|                                  |                  |                  |             | RT #  |  |  |
| CONTINUING CALIBRATION SURROGATE |                  |                  |             | 16.80 |  |  |
| UPPER LIMIT                      |                  |                  |             | 17.00 |  |  |
| LOWER LIMIT                      |                  |                  |             | 16.60 |  |  |
| LAB SAMPLE ID                    | CLIENT SAMPLE ID | DATE ANALYZED    | LAB FILE ID |       |  |  |
| CCV 320-7620/73<br>CCVRT         |                  | 12/21/2012 16:42 | S000073.D   | 16.80 |  |  |
| CCVL 320-7620/74                 |                  | 12/21/2012 17:23 | S000074.D   | 16.75 |  |  |

DNT = 3,4-Dinitrotoluene

DNT RT Limit =  $\pm 0.2$  minutes of surrogate RT

# Column used to flag values outside QC limits

FORM I  
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: 070-0056-0001-SOURCE Lab Sample ID: 240-18735-3  
 Matrix: Water Lab File ID: S000071.D  
 Analysis Method: 8330B Date Collected: 12/12/2012 13:00  
 Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07  
 Sample wt/vol: 1004.4 (mL) Date Analyzed: 12/21/2012 15:22  
 Con. Extract Vol.: 20 (mL) Dilution Factor: 1  
 Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 7620 Units: ug/L

| CAS NO.    | COMPOUND NAME              | RESULT | Q | LOQ  | LOD   | DL    |
|------------|----------------------------|--------|---|------|-------|-------|
| 99-35-4    | 1,3,5-Trinitrobenzene      | 0.050  | U | 0.10 | 0.050 | 0.031 |
| 99-65-0    | 1,3-Dinitrobenzene         | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 118-96-7   | 2,4,6-Trinitrotoluene      | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 121-14-2   | 2,4-Dinitrotoluene         | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 606-20-2   | 2,6-Dinitrotoluene         | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 35572-78-2 | 2-Amino-4,6-dinitrotoluene | 0.10   | U | 0.20 | 0.10  | 0.015 |
| 88-72-2    | 2-Nitrotoluene             | 0.10   | U | 0.50 | 0.10  | 0.088 |
| 99-08-1    | 3-Nitrotoluene             | 0.10   | U | 0.50 | 0.10  | 0.057 |
| 99-99-0    | 4-Nitrotoluene             | 0.10   | U | 0.50 | 0.10  | 0.088 |
| 19406-51-0 | 4-Amino-2,6-dinitrotoluene | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 2691-41-0  | HMX                        | 0.050  | U | 0.10 | 0.050 | 0.036 |
| 121-82-4   | RDX                        | 0.050  | U | 0.10 | 0.050 | 0.036 |
| 98-95-3    | Nitrobenzene               | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 479-45-8   | Tetryl                     | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 55-63-0    | Nitroglycerin              | 0.50   | U | 0.65 | 0.50  | 0.33  |
| 78-11-5    | PETN                       | 0.50   | U | 0.65 | 0.50  | 0.30  |

| CAS NO.  | SURROGATE          | %REC | Q | LIMITS |
|----------|--------------------|------|---|--------|
| 610-39-9 | 3,4-Dinitrotoluene | 91   |   | 79-111 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000071.D  
Lims ID: 240-18735-R-3-B Client ID: 070-0056-0001-SOURCE WATER  
Inject. Date: 21-Dec-2012 15:22:23 Dil. Factor: 1.0000  
Sample Type: Client  
Sample ID: 320-0001888-071  
Misc. Info.:  
Operator: RN Instrument ID: LC10  
Injection Vol: 500.0 ul ALS Bottle#: 72  
Lims Batch ID: 7620 Lims Sample ID: 71  
Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330\_LC10.m  
Last Update: 26-Dec-2012 08:44:38 Calib Date: 01-Sep-2012 16:31:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
Limit Group: LC 8330B ICAL  
Integrator: Falcon  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:44:38

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

\$ 30 3,4-Dinitrotoluene

|   |        |        |        |       |       |  |
|---|--------|--------|--------|-------|-------|--|
| 1 | 16.768 | 16.796 | -0.028 | 6418  | 114.0 |  |
| 2 | 16.774 | 16.806 | -0.032 | 12277 | 118.8 |  |

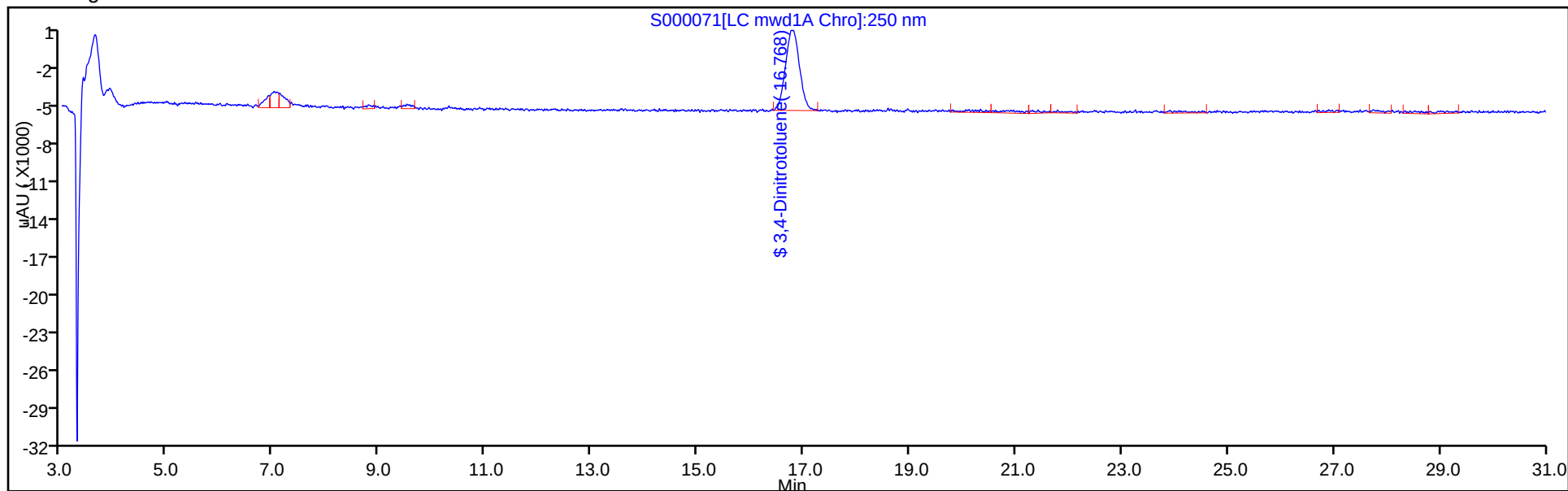
Report Date: 26-Dec-2012 08:44:38

Chrom Revision: 2.1 24-Dec-2012 15:14:58

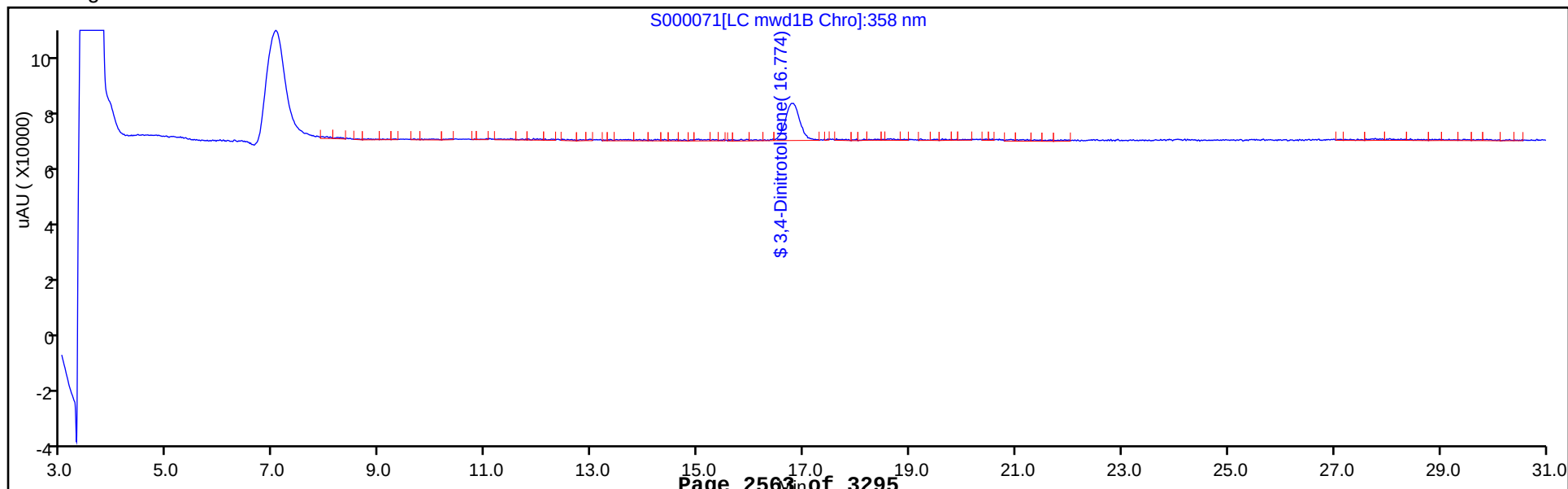
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000071.D  
Injection Date: 21-Dec-2012 15:22:23 Limit Group: LC 8330B ICAL  
Client ID: 070-0056-0001-SOURCE WATER Instrument ID: LC10  
Lims Batch ID: 7620 Lims Sample ID: 71  
Operator ID: RN Injection Vol: 500.0 ul  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I  
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: 070-0057-0001-SOURCE Lab Sample ID: 240-18735-4  
 Matrix: Water Lab File ID: S000072.D  
 Analysis Method: 8330B Date Collected: 12/12/2012 13:15  
 Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07  
 Sample wt/vol: 1011(mL) Date Analyzed: 12/21/2012 16:02  
 Con. Extract Vol.: 20(mL) Dilution Factor: 1  
 Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 7620 Units: ug/L

| CAS NO.    | COMPOUND NAME              | RESULT | Q | LOQ   | LOD   | DL    |
|------------|----------------------------|--------|---|-------|-------|-------|
| 99-35-4    | 1,3,5-Trinitrobenzene      | 0.049  | U | 0.099 | 0.049 | 0.031 |
| 99-65-0    | 1,3-Dinitrobenzene         | 0.099  | U | 0.099 | 0.099 | 0.049 |
| 118-96-7   | 2,4,6-Trinitrotoluene      | 0.099  | U | 0.099 | 0.099 | 0.049 |
| 121-14-2   | 2,4-Dinitrotoluene         | 0.099  | U | 0.099 | 0.099 | 0.049 |
| 606-20-2   | 2,6-Dinitrotoluene         | 0.099  | U | 0.099 | 0.099 | 0.049 |
| 35572-78-2 | 2-Amino-4,6-dinitrotoluene | 0.099  | U | 0.20  | 0.099 | 0.015 |
| 88-72-2    | 2-Nitrotoluene             | 0.099  | U | 0.49  | 0.099 | 0.087 |
| 99-08-1    | 3-Nitrotoluene             | 0.099  | U | 0.49  | 0.099 | 0.056 |
| 99-99-0    | 4-Nitrotoluene             | 0.099  | U | 0.49  | 0.099 | 0.087 |
| 19406-51-0 | 4-Amino-2,6-dinitrotoluene | 0.099  | U | 0.099 | 0.099 | 0.049 |
| 2691-41-0  | HMX                        | 0.049  | U | 0.099 | 0.049 | 0.036 |
| 121-82-4   | RDX                        | 0.049  | U | 0.099 | 0.049 | 0.036 |
| 98-95-3    | Nitrobenzene               | 0.099  | U | 0.099 | 0.099 | 0.049 |
| 479-45-8   | Tetryl                     | 0.099  | U | 0.099 | 0.099 | 0.049 |
| 55-63-0    | Nitroglycerin              | 0.49   | U | 0.64  | 0.49  | 0.33  |
| 78-11-5    | PETN                       | 0.49   | U | 0.64  | 0.49  | 0.30  |

| CAS NO.  | SURROGATE          | %REC | Q | LIMITS |
|----------|--------------------|------|---|--------|
| 610-39-9 | 3,4-Dinitrotoluene | 93   |   | 79-111 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000072.D  
Lims ID: 240-18735-R-4-B Client ID: 070-0057-0001-SOURCE WATER  
Inject. Date: 21-Dec-2012 16:02:20 Dil. Factor: 1.0000  
Sample Type: Client  
Sample ID: 320-0001888-072  
Misc. Info.:  
Operator: RN Instrument ID: LC10  
Injection Vol: 500.0 ul ALS Bottle#: 73  
Lims Batch ID: 7620 Lims Sample ID: 72  
Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330\_LC10.m  
Last Update: 26-Dec-2012 08:45:03 Calib Date: 01-Sep-2012 16:31:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
Limit Group: LC 8330B ICAL  
Integrator: Falcon  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:45:03

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

\$ 30 3,4-Dinitrotoluene

|   |        |        |       |       |       |  |
|---|--------|--------|-------|-------|-------|--|
| 1 | 16.835 | 16.796 | 0.039 | 6565  | 116.6 |  |
| 2 | 16.845 | 16.806 | 0.039 | 12265 | 118.7 |  |

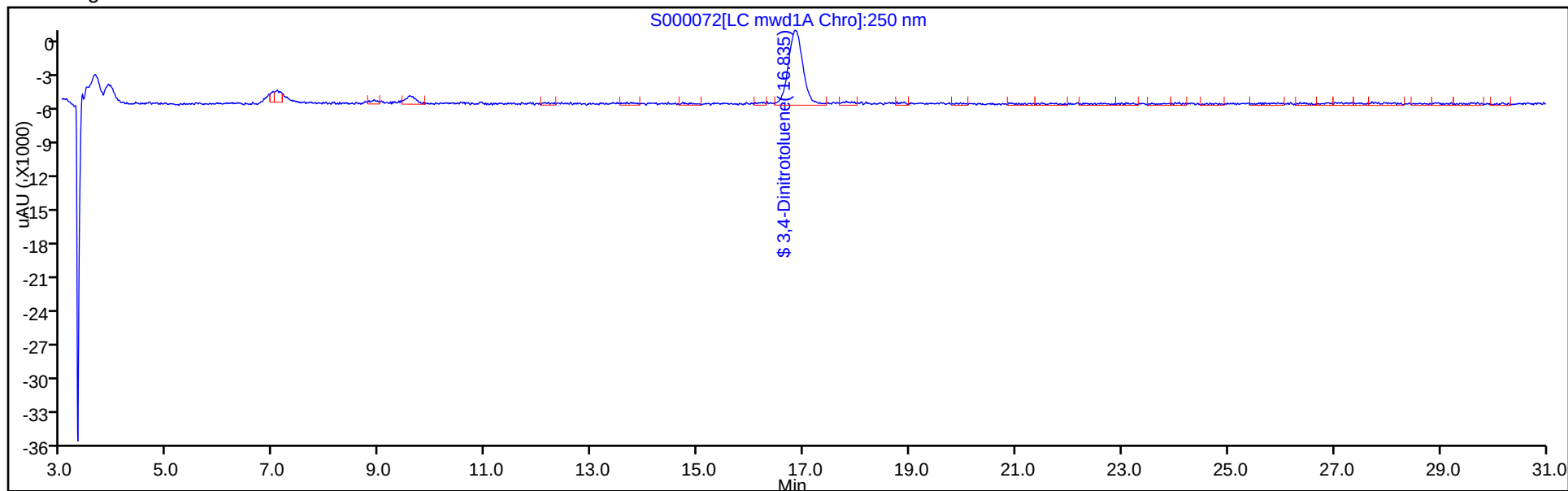
Report Date: 26-Dec-2012 08:45:04

Chrom Revision: 2.1 24-Dec-2012 15:14:58

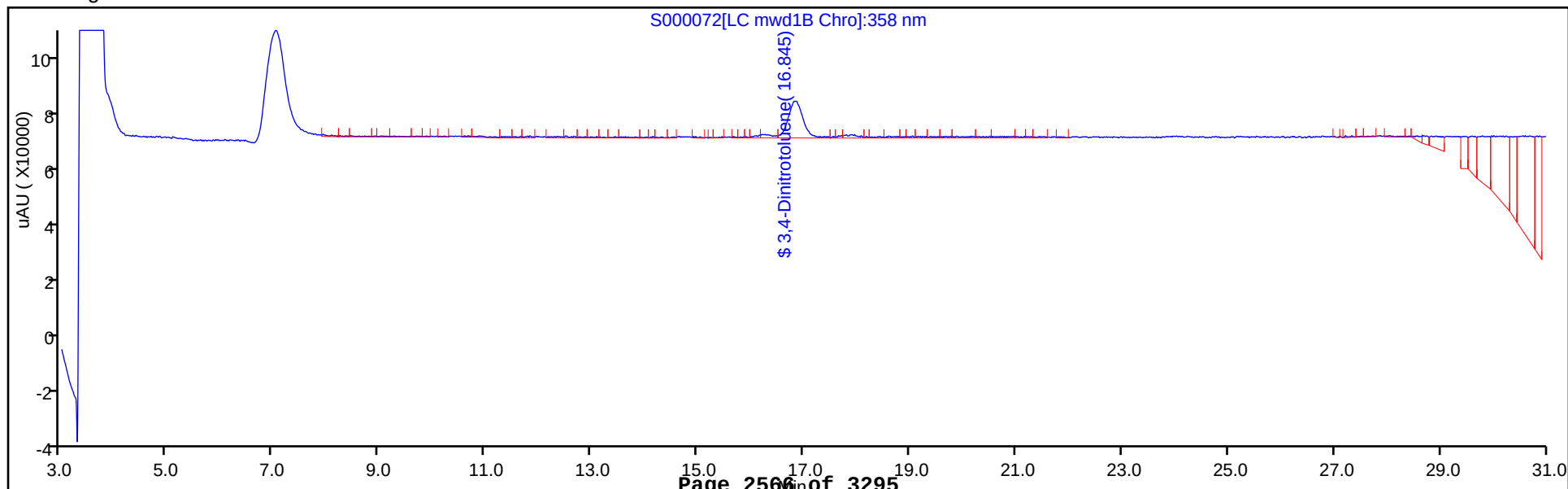
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000072.D  
Injection Date: 21-Dec-2012 16:02:20 Limit Group: LC 8330B ICAL  
Client ID: 070-0057-0001-SOURCE WATER Instrument ID: LC10  
Lims Batch ID: 7620 Lims Sample ID: 72  
Operator ID: RN Injection Vol: 500.0 ul  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:





FORM VI  
HPLC/IC INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 3377

SDG No.: \_\_\_\_\_

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID: |
|---------|------------------|--------------|
| Level 1 | STD01 320-3377/2 | A-000006.D   |
| Level 2 | STD02 320-3377/3 | A-000007.D   |
| Level 3 | STD03 320-3377/4 | A-000008.D   |
| Level 4 | STD04 320-3377/5 | A-000009.D   |
| Level 5 | STD05 320-3377/6 | A-000010.D   |
| Level 6 | STD06 320-3377/7 | A-000011.D   |
| Level 7 | STD07 320-3377/8 | A-000012.D   |
| Level 8 | STD08 320-3377/9 | A-000013.D   |

| ANALYTE                    | LVL 1  | LVL 2  | LVL 3  | LVL 4  | LVL 5  | LVL 6  | LVL 7  | LVL 8  |  |  | RT WINDOW       | AVG RT |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|-----------------|--------|
| HMX                        | 5.240  | 5.235  | 5.238  | 5.235  | 5.235  | 5.233  | 5.219  | 5.195  |  |  | 4.985 - 5.485   | 5.229  |
| RDX                        | 7.593  | 7.588  | 7.585  | 7.585  | 7.579  | 7.573  | 7.552  | 7.512  |  |  | 7.329 - 7.829   | 7.571  |
| Ethylene glycol dinitrate  | ++++   | ++++   | 8.312  | 8.302  | 8.305  | 8.296  | 8.275  | 8.245  |  |  | 8.055 - 8.555   | 8.294  |
| Picric acid                | 8.707  | 8.718  | 8.708  | 8.702  | 8.685  | 8.650  | 8.589  | 8.499  |  |  | 8.435 - 8.935   | 8.657  |
| 1,3,5-Trinitrobenzene      | 10.003 | 10.012 | 9.998  | 9.995  | 9.992  | 9.986  | 9.965  | 9.925  |  |  | 9.742 - 10.242  | 9.985  |
| 1,3-Dinitrobenzene         | 12.673 | 12.699 | 12.688 | 12.692 | 12.682 | 12.677 | 12.652 | 12.602 |  |  | 12.432 - 12.932 | 12.671 |
| 3,5-Dinitroaniline         | 13.447 | 13.449 | 13.452 | 13.455 | 13.449 | 13.437 | 13.406 | 13.349 |  |  | 13.199 - 13.699 | 13.431 |
| Tetryl                     | 13.950 | 13.925 | 13.952 | 13.942 | 13.939 | 13.933 | 13.912 | 13.866 |  |  | 13.689 - 14.189 | 13.927 |
| Nitrobenzene               | 14.493 | 14.512 | 14.502 | 14.495 | 14.495 | 14.487 | 14.459 | 14.399 |  |  | 14.245 - 14.745 | 14.480 |
| Nitroglycerin              | ++++   | ++++   | 15.205 | 15.209 | 15.202 | 15.197 | 15.172 | 15.126 |  |  | 14.952 - 15.452 | 15.185 |
| 2,4,6-Trinitrotoluene      | 16.083 | 16.075 | 16.075 | 16.085 | 16.069 | 16.067 | 16.046 | 16.002 |  |  | 15.819 - 16.319 | 16.063 |
| 4-Amino-2,6-dinitrotoluene | 16.557 | 16.665 | 16.622 | 16.635 | 16.619 | 16.607 | 16.579 | 16.519 |  |  | 16.369 - 16.869 | 16.600 |
| 2-Amino-4,6-dinitrotoluene | 17.617 | 17.619 | 17.595 | 17.602 | 17.595 | 17.587 | 17.552 | 17.489 |  |  | 17.345 - 17.845 | 17.582 |
| 2,6-Dinitrotoluene         | 19.280 | 19.342 | 19.318 | 19.299 | 19.285 | 19.293 | 19.259 | 19.199 |  |  | 19.035 - 19.535 | 19.284 |
| 2,4-Dinitrotoluene         | 19.877 | 19.965 | 19.915 | 19.939 | 19.925 | 19.917 | 19.886 | 19.829 |  |  | 19.675 - 20.175 | 19.907 |
| 2-Nitrotoluene             | 23.440 | 23.442 | 23.412 | 23.415 | 23.415 | 23.400 | 23.366 | 23.292 |  |  | 23.165 - 23.665 | 23.398 |
| 4-Nitrotoluene             | 25.103 | 25.095 | 25.135 | 25.092 | 25.102 | 25.087 | 25.062 | 24.989 |  |  | 24.852 - 25.352 | 25.083 |
| 3-Nitrotoluene             | 27.057 | 27.122 | 27.035 | 27.059 | 27.052 | 27.060 | 27.016 | 26.939 |  |  | 26.802 - 27.302 | 27.043 |
| PETN                       | ++++   | ++++   | 29.672 | 29.662 | 29.649 | 29.663 | 29.619 | 29.569 |  |  | 29.399 - 29.899 | 29.625 |
| 3,4-Dinitrotoluene         | 17.087 | 17.075 | 17.088 | 17.079 | 17.072 | 17.073 | 17.032 | 16.972 |  |  | 16.822 - 17.322 | 17.060 |

FORM VI  
HPLC/IC INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 3377

SDG No.: \_\_\_\_\_

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

|         |                  |              |
|---------|------------------|--------------|
| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID: |
| Level 1 | STD01 320-3377/2 | A-000006.D   |
| Level 2 | STD02 320-3377/3 | A-000007.D   |
| Level 3 | STD03 320-3377/4 | A-000008.D   |
| Level 4 | STD04 320-3377/5 | A-000009.D   |
| Level 5 | STD05 320-3377/6 | A-000010.D   |
| Level 6 | STD06 320-3377/7 | A-000011.D   |
| Level 7 | STD07 320-3377/8 | A-000012.D   |
| Level 8 | STD08 320-3377/9 | A-000013.D   |

| ANALYTE                    | CF               |                  |                  |                  | CURVE<br>TYPE | COEFFICIENT |            |    | # | MIN CF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|----------------------------|------------------|------------------|------------------|------------------|---------------|-------------|------------|----|---|--------|------|---|-------------|---------------|---|-------------------|
|                            | LVL 1<br>LVL 5   | LVL 2<br>LVL 6   | LVL 3<br>LVL 7   | LVL 4<br>LVL 8   |               | B           | M1         | M2 |   |        |      |   |             |               |   |                   |
| HMX                        | 139.80<br>127.39 | 131.10<br>125.07 | 132.70<br>120.02 | 126.54<br>103.82 | Ave           |             | 125.806000 |    |   |        | 8.5  |   | 20.0        |               |   |                   |
| RDX                        | 126.20<br>85.360 | 97.500<br>83.560 | 89.950<br>77.368 | 89.060<br>62.894 | Ave           |             | 88.9865000 |    |   |        | 20.0 |   | 20.0        |               |   |                   |
| Ethylene glycol dinitrate  | ++++<br>102.81   | ++++<br>100.64   | 106.60<br>93.280 | 99.580<br>78.274 | Ave           |             | 96.8640000 |    |   |        | 10.0 |   | 20.0        |               |   |                   |
| Picric acid                | 142.10<br>128.26 | 124.60<br>123.75 | 126.62<br>113.51 | 130.18<br>96.264 | Ave           |             | 123.159625 |    |   |        | 11.0 |   | 20.0        |               |   |                   |
| 1,3,5-Trinitrobenzene      | 190.60<br>161.63 | 172.30<br>159.20 | 171.25<br>151.74 | 162.92<br>131.74 | Ave           |             | 162.672500 |    |   |        | 10.0 |   | 20.0        |               |   |                   |
| 1,3-Dinitrobenzene         | 182.80<br>160.21 | 183.10<br>158.49 | 168.75<br>150.27 | 160.54<br>129.19 | Ave           |             | 161.668750 |    |   |        | 11.0 |   | 20.0        |               |   |                   |
| 3,5-Dinitroaniline         | 130.40<br>101.39 | 110.30<br>101.56 | 102.95<br>97.078 | 103.96<br>83.656 | Ave           |             | 103.911125 |    |   |        | 13.0 |   | 20.0        |               |   |                   |
| Tetryl                     | 110.60<br>82.640 | 87.300<br>84.365 | 81.400<br>83.418 | 84.500<br>78.184 | Ave           |             | 86.5508750 |    |   |        | 12.0 |   | 20.0        |               |   |                   |
| Nitrobenzene               | 96.600<br>71.160 | 77.100<br>71.370 | 75.300<br>67.000 | 72.860<br>58.527 | Ave           |             | 73.7396250 |    |   |        | 15.0 |   | 20.0        |               |   |                   |
| Nitroglycerin              | ++++<br>65.420   | ++++<br>64.655   | 74.350<br>62.646 | 65.760<br>56.481 | Ave           |             | 64.8853333 |    |   |        | 8.9  |   | 20.0        |               |   |                   |
| 2,4,6-Trinitrotoluene      | 108.00<br>89.810 | 97.700<br>90.455 | 93.150<br>89.080 | 91.560<br>82.556 | Ave           |             | 92.7888750 |    |   |        | 8.0  |   | 20.0        |               |   |                   |
| 4-Amino-2,6-dinitrotoluene | 86.800<br>74.520 | 77.900<br>75.425 | 74.600<br>73.644 | 76.500<br>66.457 | Ave           |             | 75.7307500 |    |   |        | 7.4  |   | 20.0        |               |   |                   |
| 2-Amino-4,6-dinitrotoluene | 102.40<br>80.440 | 89.400<br>81.200 | 84.350<br>78.808 | 81.480<br>70.652 | Ave           |             | 83.5912500 |    |   |        | 11.0 |   | 20.0        |               |   |                   |
| 2,6-Dinitrotoluene         | 77.800<br>56.200 | 62.900<br>57.230 | 57.300<br>55.882 | 58.140<br>51.202 | Ave           |             | 59.5817500 |    |   |        | 13.0 |   | 20.0        |               |   |                   |

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
HPLC/IC INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 3377

SDG No.: \_\_\_\_\_

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

| ANALYTE            | CF               |                  |                  |                  | CURVE<br>TYPE | COEFFICIENT |            |    | # | MIN CF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|--------------------|------------------|------------------|------------------|------------------|---------------|-------------|------------|----|---|--------|------|---|-------------|---------------|---|-------------------|
|                    | LVL 1<br>LVL 5   | LVL 2<br>LVL 6   | LVL 3<br>LVL 7   | LVL 4<br>LVL 8   |               | B           | M1         | M2 |   |        |      |   |             |               |   |                   |
| 2,4-Dinitrotoluene | 109.40<br>93.730 | 102.00<br>94.515 | 96.050<br>92.458 | 94.760<br>84.833 | Ave           |             | 95.9682500 |    |   |        | 7.5  |   | 20.0        |               |   |                   |
| 2-Nitrotoluene     | 58.800<br>41.500 | 51.400<br>40.795 | 46.600<br>39.480 | 41.280<br>36.585 | Ave           |             | 44.5550000 |    |   |        | 16.0 |   | 20.0        |               |   |                   |
| 4-Nitrotoluene     | 65.200<br>50.470 | 61.200<br>50.165 | 55.000<br>48.764 | 50.940<br>45.695 | Ave           |             | 53.4292500 |    |   |        | 12.0 |   | 20.0        |               |   |                   |
| 3-Nitrotoluene     | 67.800<br>50.030 | 60.900<br>50.960 | 54.550<br>49.432 | 51.100<br>46.712 | Ave           |             | 53.9355000 |    |   |        | 13.0 |   | 20.0        |               |   |                   |
| PETN               | +++++<br>36.310  | +++++<br>35.540  | 40.050<br>35.620 | 38.100<br>34.728 | Ave           |             | 36.7246667 |    |   |        | 5.4  |   | 20.0        |               |   |                   |
| 3,4-Dinitrotoluene | 77.000<br>52.480 | 53.700<br>53.370 | 51.600<br>55.173 | 53.480<br>53.734 | Ave           |             | 56.3171667 |    |   |        | 15.0 |   | 20.0        |               |   |                   |

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
HPLC/IC INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 3377

SDG No.: \_\_\_\_\_

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

|         |                  |              |
|---------|------------------|--------------|
| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID: |
| Level 1 | STD01 320-3377/2 | A-000006.D   |
| Level 2 | STD02 320-3377/3 | A-000007.D   |
| Level 3 | STD03 320-3377/4 | A-000008.D   |
| Level 4 | STD04 320-3377/5 | A-000009.D   |
| Level 5 | STD05 320-3377/6 | A-000010.D   |
| Level 6 | STD06 320-3377/7 | A-000011.D   |
| Level 7 | STD07 320-3377/8 | A-000012.D   |
| Level 8 | STD08 320-3377/9 | A-000013.D   |

| ANALYTE                    | CURVE<br>TYPE | RESPONSE       |                |                |       |       | CONCENTRATION (NG/ML) |                |                |       |       |
|----------------------------|---------------|----------------|----------------|----------------|-------|-------|-----------------------|----------------|----------------|-------|-------|
|                            |               | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6        | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| HMX                        | Ave           | 699<br>25014   | 1311<br>60012  | 2654<br>103824 | 6327  | 12739 | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| RDX                        | Ave           | 631<br>16712   | 975<br>38684   | 1799<br>62894  | 4453  | 8536  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| Ethylene glycol dinitrate  | Ave           | ++++<br>20128  | ++++<br>46640  | 2132<br>78274  | 4979  | 10281 | ++++<br>200           | ++++<br>500    | 20.0<br>1000   | 50.0  | 100   |
| Picric acid                | Ave           | 1421<br>61874  | 2492<br>113505 | 6331<br>192528 | 13018 | 25652 | 10.0<br>500           | 20.0<br>1000   | 50.0<br>2000   | 100   | 200   |
| 1,3,5-Trinitrobenzene      | Ave           | 953<br>31839   | 1723<br>75872  | 3425<br>131741 | 8146  | 16163 | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| 1,3-Dinitrobenzene         | Ave           | 914<br>31698   | 1831<br>75133  | 3375<br>129194 | 8027  | 16021 | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| 3,5-Dinitroaniline         | Ave           | 652<br>20311   | 1103<br>48539  | 2059<br>83656  | 5198  | 10139 | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| Tetryl                     | Ave           | 553<br>16873   | 873<br>41709   | 1628<br>78184  | 4225  | 8264  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| Nitrobenzene               | Ave           | 483<br>14274   | 771<br>33500   | 1506<br>58527  | 3643  | 7116  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| Nitroglycerin              | Ave           | ++++<br>12931  | ++++<br>31323  | 1487<br>56481  | 3288  | 6542  | ++++<br>200           | ++++<br>500    | 20.0<br>1000   | 50.0  | 100   |
| 2,4,6-Trinitrotoluene      | Ave           | 540<br>18091   | 977<br>44540   | 1863<br>82556  | 4578  | 8981  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| 4-Amino-2,6-dinitrotoluene | Ave           | 434<br>15085   | 779<br>36822   | 1492<br>66457  | 3825  | 7452  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| 2-Amino-4,6-dinitrotoluene | Ave           | 512<br>16240   | 894<br>39404   | 1687<br>70652  | 4074  | 8044  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| 2,6-Dinitrotoluene         | Ave           | 389<br>11446   | 629<br>27941   | 1146<br>51202  | 2907  | 5620  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| 2,4-Dinitrotoluene         | Ave           | 547<br>18903   | 1020<br>46229  | 1921<br>84833  | 4738  | 9373  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |

FORM VI  
HPLC/IC INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 3377

SDG No.: \_\_\_\_\_

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

| ANALYTE            | CURVE<br>TYPE | RESPONSE       |                |                |       |       | CONCENTRATION (NG/ML) |                |                |       |       |
|--------------------|---------------|----------------|----------------|----------------|-------|-------|-----------------------|----------------|----------------|-------|-------|
|                    |               | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6        | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 2-Nitrotoluene     | Ave           | 294<br>8159    | 514<br>19740   | 932<br>36585   | 2064  | 4150  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| 4-Nitrotoluene     | Ave           | 326<br>10033   | 612<br>24382   | 1100<br>45695  | 2547  | 5047  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| 3-Nitrotoluene     | Ave           | 339<br>10192   | 609<br>24716   | 1091<br>46712  | 2555  | 5003  | 5.00<br>200           | 10.0<br>500    | 20.0<br>1000   | 50.0  | 100   |
| PETN               | Ave           | +++++<br>7108  | +++++<br>17810 | 801<br>34728   | 1905  | 3631  | +++++<br>200          | +++++<br>500   | 20.0<br>1000   | 50.0  | 100   |
| 3,4-Dinitrotoluene | Ave           | 385<br>10674   | 537<br>16552   | 1032<br>26867  | 2674  | 5248  | 5.00<br>200           | 10.0<br>300    | 20.0<br>500    | 50.0  | 100   |

Curve Type Legend:

Ave = Average by Height

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000006.D  
 Lims ID: STD01 Client ID:  
 Inject. Date: 01-Sep-2012 11:50:14 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 1  
 Sample ID: STD01 HP8330L1\_00004 5ng/mL;1  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 11  
 Lims Batch ID: 3377 Lims Sample ID: 2  
 Sublist: chrom-8330\_LC10\*sub1  
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330\_LC10.m  
 Last Update: 13-Sep-2012 11:14:21 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK002

First Level Reviewer: noonanr

Date: 11-Sep-2012 13:41:22

| Det                           | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 11 HMX                        |        |           |           |          |                     |       |
| 1                             | 5.240  | 5.235     | 0.005     | 699      | 5.56                |       |
| 19 RDX                        |        |           |           |          |                     |       |
| 1                             | 7.593  | 7.579     | 0.014     | 631      | 7.09                |       |
| 3 Ethylene glycol dinitrate   |        |           |           |          |                     |       |
| 2                             | 8.300  | 8.305     | -0.005    | 652      | 6.73                |       |
| 10 2,4,6-Trinitrophenol       |        |           |           |          |                     |       |
| 2                             | 8.707  | 8.685     | 0.022     | 1421     | 11.5                |       |
| 1                             | 8.733  | 8.685     | 0.048     | 955      | 11.6                |       |
| 27 1,3,5-Trinitrobenzene      |        |           |           |          |                     |       |
| 1                             | 10.003 | 9.992     | 0.011     | 953      | 5.86                |       |
| 24 1,3-Dinitrobenzene         |        |           |           |          |                     |       |
| 1                             | 12.673 | 12.682    | -0.009    | 914      | 5.65                |       |
| 9 3,5-Dinitroaniline          |        |           |           |          |                     |       |
| 1                             | 13.447 | 13.449    | -0.002    | 652      | 6.27                |       |
| 20 Tetryl                     |        |           |           |          |                     |       |
| 1                             | 13.950 | 13.939    | 0.011     | 553      | 6.39                |       |
| 5 Nitrobenzene                |        |           |           |          |                     |       |
| 1                             | 14.493 | 14.495    | -0.002    | 483      | 6.55                |       |
| 7 Nitroglycerin               |        |           |           |          |                     |       |
| 2                             | 15.147 | 15.202    | -0.055    | 536      | 8.26                |       |
| 25 2,4,6-Trinitrotoluene      |        |           |           |          |                     |       |
| 1                             | 16.083 | 16.069    | 0.014     | 540      | 5.82                |       |
| 26 4-Amino-2,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                             | 16.557 | 16.619    | -0.062    | 434      | 5.73                |       |
| \$ 30 3,4-Dinitrotoluene      |        |           |           |          |                     |       |
| 1                             | 17.087 | 17.072    | 0.015     | 385      | 6.84                |       |
| 2                             | 17.117 | 17.082    | 0.035     | 622      | 6.02                |       |

| Det                          | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 6 2-Amino-4,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                            | 17.617 | 17.595    | 0.022     | 512      | 6.13                |       |
| 12 2,6-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.280 | 19.285    | -0.005    | 389      | 6.53                |       |
| 23 2,4-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.877 | 19.925    | -0.048    | 547      | 5.70                |       |
| 16 o-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 23.440 | 23.415    | 0.025     | 294      | 6.60                |       |
| 15 p-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 25.103 | 25.102    | 0.001     | 326      | 6.10                |       |
| 8 m-Nitrotoluene             |        |           |           |          |                     |       |
| 1                            | 27.057 | 27.052    | 0.005     | 339      | 6.29                |       |
| 21 PETN                      |        |           |           |          |                     |       |
| 2                            | 29.613 | 29.649    | -0.036    | 771      | 21.0                |       |

Report Date: 13-Sep-2012 11:14:22

Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000006.D

Injection Date: 01-Sep-2012 11:50:14

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 2

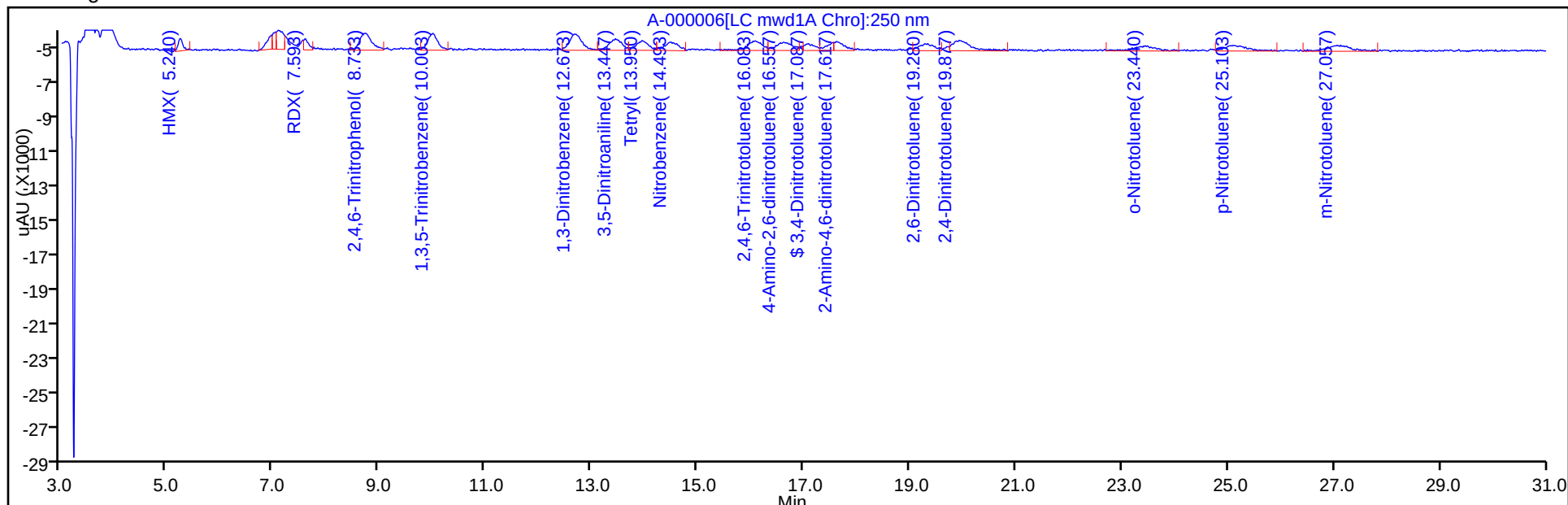
Operator ID: RN

Injection Vol: 500.0 ul

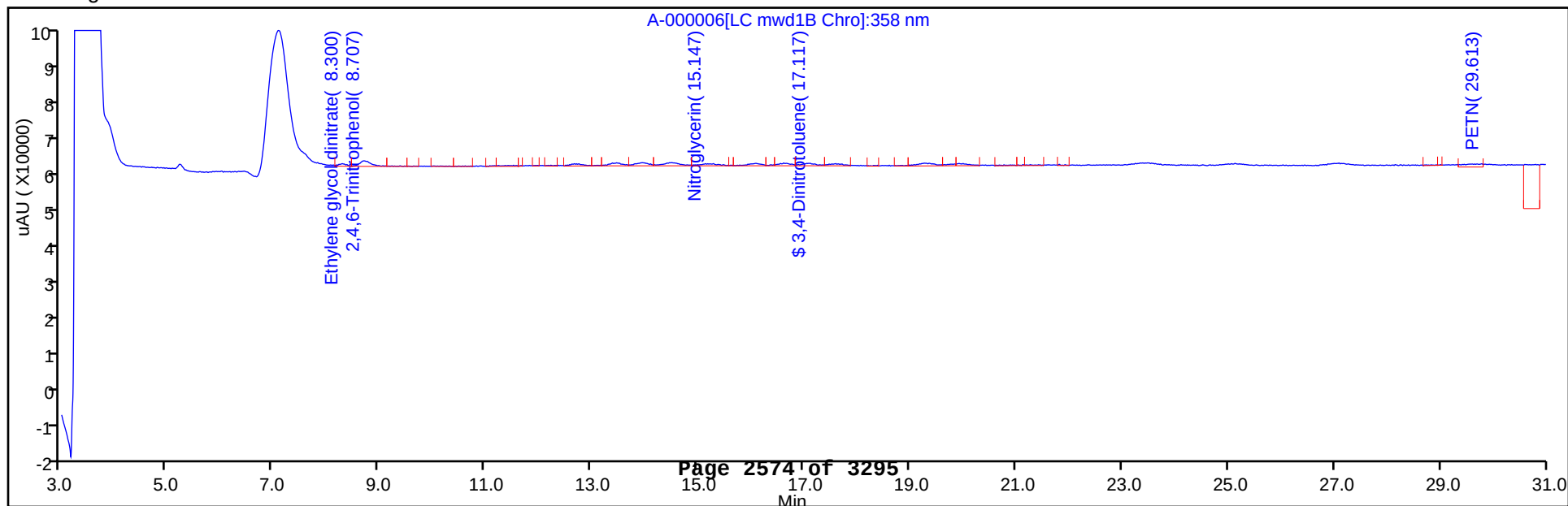
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:





TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000007.D  
 Lims ID: STD02 Client ID:  
 Inject. Date: 01-Sep-2012 12:30:23 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 2  
 Sample ID: STD02 HP8330L2\_00003 10ng/mL;1  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 12  
 Lims Batch ID: 3377 Lims Sample ID: 3  
 Sublist: chrom-8330\_LC10\*sub1  
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330\_LC10.m  
 Last Update: 13-Sep-2012 10:19:53 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK003

First Level Reviewer: chamberss

Date: 11-Sep-2012 14:17:48

| Det                           | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 11 HMX                        |        |           |           |          |                     |       |
| 1                             | 5.235  | 5.235     | 0.0       | 1311     | 10.4                |       |
| 19 RDX                        |        |           |           |          |                     |       |
| 1                             | 7.588  | 7.579     | 0.009     | 975      | 10.9                |       |
| 3 Ethylene glycol dinitrate   |        |           |           |          |                     |       |
| 2                             | 8.315  | 8.305     | 0.010     | 1143     | 11.8                |       |
| 10 2,4,6-Trinitrophenol       |        |           |           |          |                     |       |
| 2                             | 8.718  | 8.685     | 0.033     | 2492     | 20.2                |       |
| 1                             | 8.718  | 8.685     | 0.033     | 1717     | 20.7                |       |
| 27 1,3,5-Trinitrobenzene      |        |           |           |          |                     |       |
| 1                             | 10.012 | 9.992     | 0.020     | 1723     | 10.6                |       |
| 24 1,3-Dinitrobenzene         |        |           |           |          |                     |       |
| 1                             | 12.699 | 12.682    | 0.017     | 1831     | 11.3                |       |
| 9 3,5-Dinitroaniline          |        |           |           |          |                     |       |
| 1                             | 13.449 | 13.449    | 0.0       | 1103     | 10.6                |       |
| 20 Tetryl                     |        |           |           |          |                     |       |
| 1                             | 13.925 | 13.939    | -0.014    | 873      | 10.1                |       |
| 5 Nitrobenzene                |        |           |           |          |                     |       |
| 1                             | 14.512 | 14.495    | 0.017     | 771      | 10.4                |       |
| 7 Nitroglycerin               |        |           |           |          |                     |       |
| 2                             | 15.225 | 15.202    | 0.023     | 628      | 9.68                |       |
| 25 2,4,6-Trinitrotoluene      |        |           |           |          |                     |       |
| 1                             | 16.075 | 16.069    | 0.006     | 977      | 10.5                |       |
| 26 4-Amino-2,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                             | 16.665 | 16.619    | 0.046     | 779      | 10.3                |       |
| \$ 30 3,4-Dinitrotoluene      |        |           |           |          |                     |       |
| 1                             | 17.075 | 17.072    | 0.003     | 537      | 9.52                |       |
| 2                             | 17.075 | 17.082    | -0.007    | 883      | 8.55                |       |

| Det                          | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 6 2-Amino-4,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                            | 17.619 | 17.595    | 0.024     | 894      | 10.7                |       |
| 12 2,6-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.342 | 19.285    | 0.057     | 629      | 10.5                |       |
| 23 2,4-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.965 | 19.925    | 0.040     | 1020     | 10.6                |       |
| 16 o-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 23.442 | 23.415    | 0.027     | 514      | 11.5                |       |
| 15 p-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 25.095 | 25.102    | -0.007    | 612      | 11.5                |       |
| 8 m-Nitrotoluene             |        |           |           |          |                     |       |
| 1                            | 27.122 | 27.052    | 0.070     | 609      | 11.3                |       |
| 21 PETN                      |        |           |           |          |                     |       |
| 2                            | 29.552 | 29.649    | -0.097    | 427      | 11.6                |       |

Report Date: 13-Sep-2012 10:19:53

Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000007.D

Injection Date: 01-Sep-2012 12:30:23

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 3

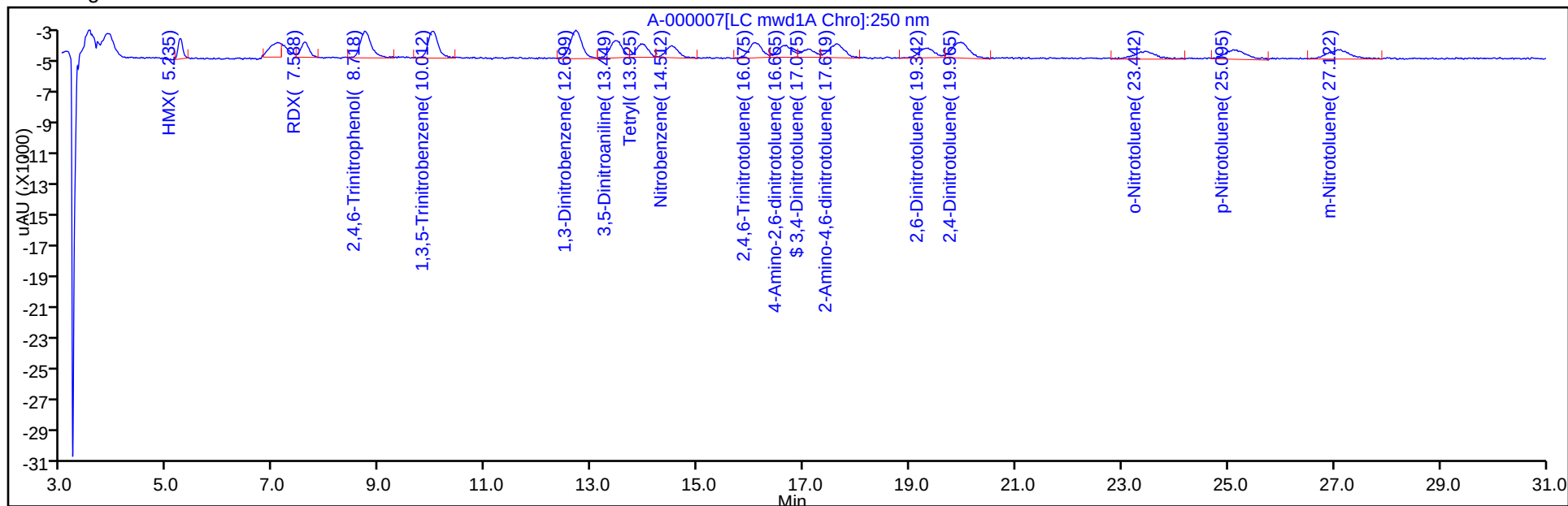
Operator ID: RN

Injection Vol: 500.0 ul

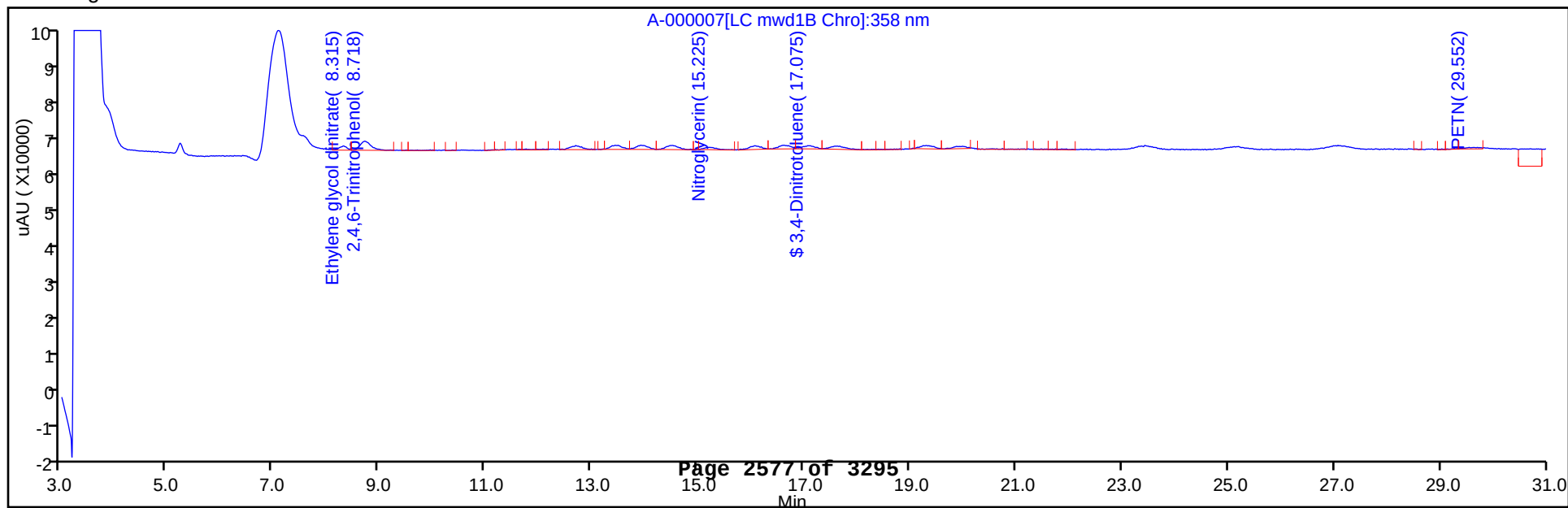
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000008.D  
 Lims ID: STD03 Client ID:  
 Inject. Date: 01-Sep-2012 13:10:34 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 3  
 Sample ID: STD03 HP8330L3\_00003 20ng/mL;1  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 13  
 Lims Batch ID: 3377 Lims Sample ID: 4  
 Sublist: chrom-8330\_LC10\*sub1  
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330\_LC10.m  
 Last Update: 13-Sep-2012 10:19:54 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK003

First Level Reviewer: chamberss

Date: 11-Sep-2012 14:31:48

| Det                           | RT     | EXP RT | DLT RT | Response | On-Col Amt ng/ml | Flags |
|-------------------------------|--------|--------|--------|----------|------------------|-------|
| 11 HMX                        |        |        |        |          |                  |       |
| 1                             | 5.238  | 5.235  | 0.003  | 2654     | 21.1             |       |
| 19 RDX                        |        |        |        |          |                  |       |
| 1                             | 7.585  | 7.579  | 0.006  | 1799     | 20.2             |       |
| 3 Ethylene glycol dinitrate   |        |        |        |          |                  |       |
| 2                             | 8.312  | 8.305  | 0.007  | 2132     | 22.0             |       |
| 10 2,4,6-Trinitrophenol       |        |        |        |          |                  |       |
| 2                             | 8.708  | 8.685  | 0.023  | 6331     | 51.4             |       |
| 1                             | 8.718  | 8.685  | 0.033  | 4198     | 50.7             |       |
| 27 1,3,5-Trinitrobenzene      |        |        |        |          |                  |       |
| 1                             | 9.998  | 9.992  | 0.006  | 3425     | 21.0             |       |
| 24 1,3-Dinitrobenzene         |        |        |        |          |                  |       |
| 1                             | 12.688 | 12.682 | 0.006  | 3375     | 20.9             |       |
| 9 3,5-Dinitroaniline          |        |        |        |          |                  |       |
| 1                             | 13.452 | 13.449 | 0.003  | 2059     | 19.8             |       |
| 20 Tetryl                     |        |        |        |          |                  |       |
| 1                             | 13.952 | 13.939 | 0.013  | 1628     | 18.8             |       |
| 5 Nitrobenzene                |        |        |        |          |                  |       |
| 1                             | 14.502 | 14.495 | 0.007  | 1506     | 20.4             |       |
| 7 Nitroglycerin               |        |        |        |          |                  |       |
| 2                             | 15.205 | 15.202 | 0.003  | 1487     | 22.9             |       |
| 25 2,4,6-Trinitrotoluene      |        |        |        |          |                  |       |
| 1                             | 16.075 | 16.069 | 0.006  | 1863     | 20.1             |       |
| 26 4-Amino-2,6-dinitrotoluene |        |        |        |          |                  |       |
| 1                             | 16.622 | 16.619 | 0.003  | 1492     | 19.7             |       |
| \$ 30 3,4-Dinitrotoluene      |        |        |        |          |                  |       |
| 1                             | 17.088 | 17.072 | 0.016  | 1032     | 18.3             |       |
| 2                             | 17.075 | 17.082 | -0.007 | 2249     | 21.8             |       |

| Det                          | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 6 2-Amino-4,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                            | 17.595 | 17.595    | 0.0       | 1687     | 20.2                |       |
| 12 2,6-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.318 | 19.285    | 0.033     | 1146     | 19.2                |       |
| 23 2,4-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.915 | 19.925    | -0.010    | 1921     | 20.0                |       |
| 16 o-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 23.412 | 23.415    | -0.003    | 932      | 20.9                |       |
| 15 p-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 25.135 | 25.102    | 0.033     | 1100     | 20.6                |       |
| 8 m-Nitrotoluene             |        |           |           |          |                     |       |
| 1                            | 27.035 | 27.052    | -0.017    | 1091     | 20.2                |       |
| 21 PETN                      |        |           |           |          |                     |       |
| 2                            | 29.672 | 29.649    | 0.023     | 801      | 21.8                |       |

Report Date: 13-Sep-2012 10:19:54

Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000008.D

Injection Date: 01-Sep-2012 13:10:34

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 4

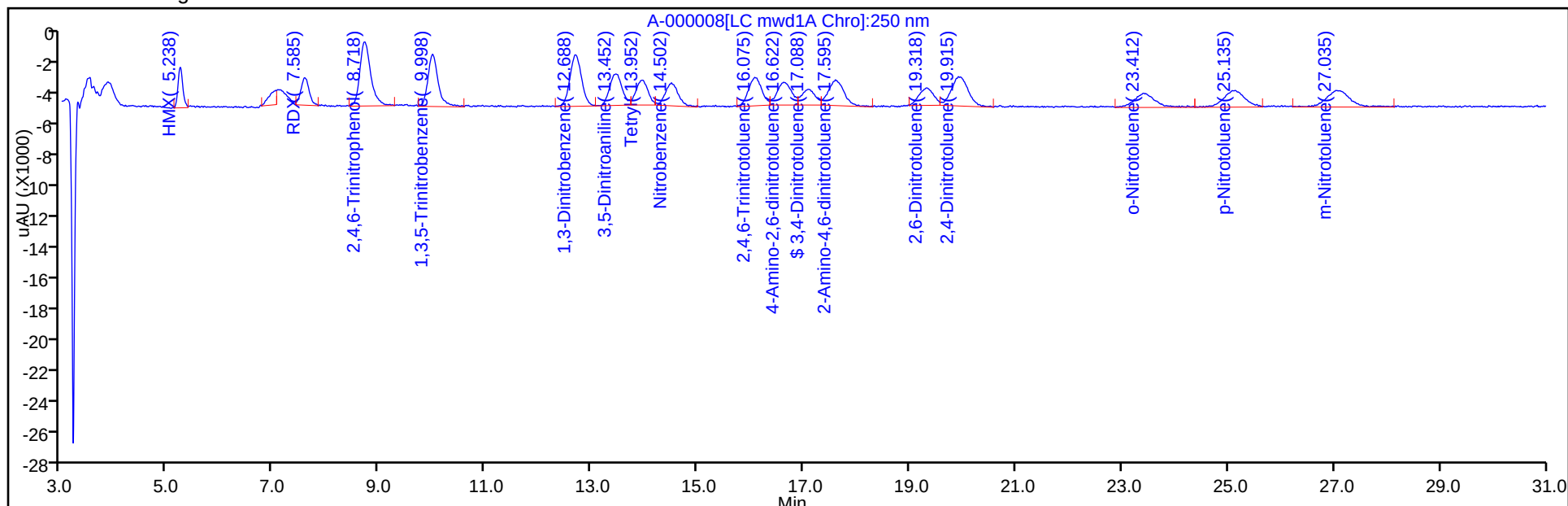
Operator ID: RN

Injection Vol: 500.0 ul

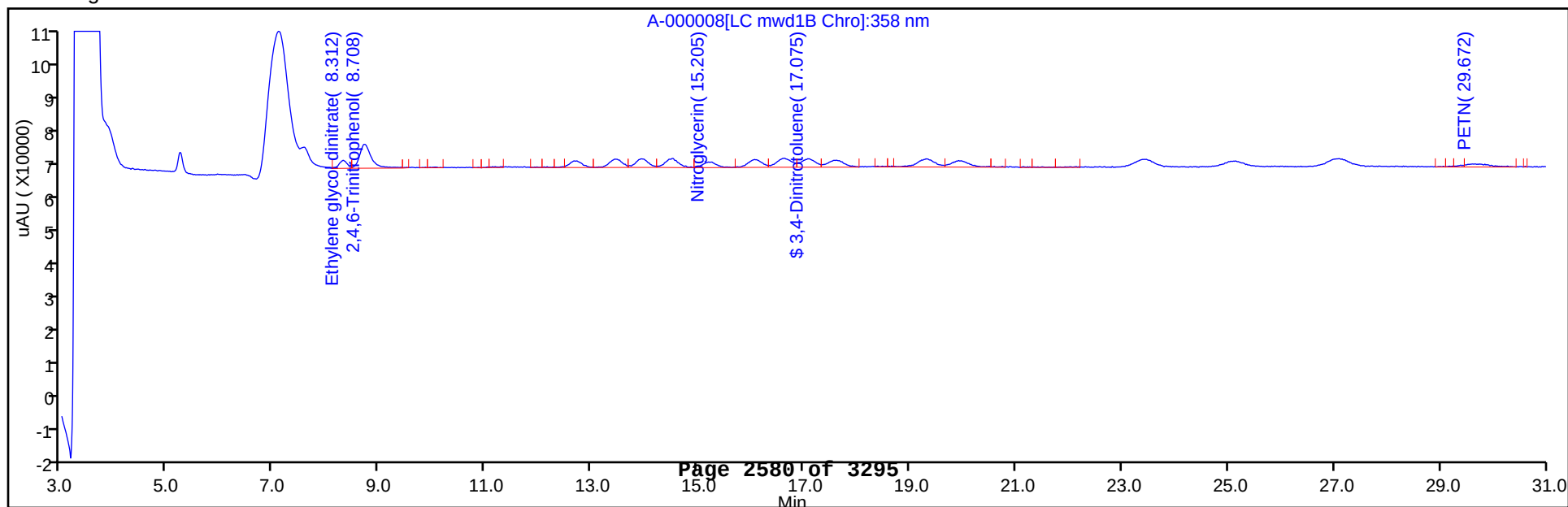
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

User Set Y Scaling: Alternate user entered



Y Scaling:



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000009.D  
 Lims ID: STD04 Client ID:  
 Inject. Date: 01-Sep-2012 13:50:42 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 4  
 Sample ID: STD04 HP8330L4\_00003 50ng/mL;1  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 14  
 Lims Batch ID: 3377 Lims Sample ID: 5  
 Sublist: chrom-8330\_LC10\*sub1  
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330\_LC10.m  
 Last Update: 13-Sep-2012 10:19:55 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK003

First Level Reviewer: chamberss

Date: 11-Sep-2012 14:15:08

| Det                           | RT     | EXP RT | DLT RT | Response | On-Col Amt ng/ml | Flags |
|-------------------------------|--------|--------|--------|----------|------------------|-------|
| 11 HMX                        |        |        |        |          |                  |       |
| 1                             | 5.235  | 5.235  | 0.0    | 6327     | 50.3             |       |
| 19 RDX                        |        |        |        |          |                  |       |
| 1                             | 7.585  | 7.579  | 0.006  | 4453     | 50.0             |       |
| 3 Ethylene glycol dinitrate   |        |        |        |          |                  |       |
| 2                             | 8.302  | 8.305  | -0.003 | 4979     | 51.4             |       |
| 10 2,4,6-Trinitrophenol       |        |        |        |          |                  |       |
| 2                             | 8.702  | 8.685  | 0.017  | 13018    | 105.7            |       |
| 1                             | 8.698  | 8.685  | 0.013  | 8740     | 105.7            |       |
| 27 1,3,5-Trinitrobenzene      |        |        |        |          |                  |       |
| 1                             | 9.995  | 9.992  | 0.003  | 8146     | 50.1             |       |
| 24 1,3-Dinitrobenzene         |        |        |        |          |                  |       |
| 1                             | 12.692 | 12.682 | 0.010  | 8027     | 49.6             |       |
| 9 3,5-Dinitroaniline          |        |        |        |          |                  |       |
| 1                             | 13.455 | 13.449 | 0.006  | 5198     | 50.0             |       |
| 20 Tetryl                     |        |        |        |          |                  |       |
| 1                             | 13.942 | 13.939 | 0.003  | 4225     | 48.8             |       |
| 5 Nitrobenzene                |        |        |        |          |                  |       |
| 1                             | 14.495 | 14.495 | 0.0    | 3643     | 49.4             |       |
| 7 Nitroglycerin               |        |        |        |          |                  |       |
| 2                             | 15.209 | 15.202 | 0.007  | 3288     | 50.7             |       |
| 25 2,4,6-Trinitrotoluene      |        |        |        |          |                  |       |
| 1                             | 16.085 | 16.069 | 0.016  | 4578     | 49.3             |       |
| 26 4-Amino-2,6-dinitrotoluene |        |        |        |          |                  |       |
| 1                             | 16.635 | 16.619 | 0.016  | 3825     | 50.5             |       |
| \$ 30 3,4-Dinitrotoluene      |        |        |        |          |                  |       |
| 1                             | 17.079 | 17.072 | 0.007  | 2674     | 47.5             |       |
| 2                             | 17.065 | 17.082 | -0.017 | 5072     | 49.1             |       |

| Det                          | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 6 2-Amino-4,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                            | 17.602 | 17.595    | 0.007     | 4074     | 48.7                |       |
| 12 2,6-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.299 | 19.285    | 0.014     | 2907     | 48.8                |       |
| 23 2,4-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.939 | 19.925    | 0.014     | 4738     | 49.4                |       |
| 16 o-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 23.415 | 23.415    | 0.0       | 2064     | 46.3                |       |
| 15 p-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 25.092 | 25.102    | -0.010    | 2547     | 47.7                |       |
| 8 m-Nitrotoluene             |        |           |           |          |                     |       |
| 1                            | 27.059 | 27.052    | 0.007     | 2555     | 47.4                |       |
| 21 PETN                      |        |           |           |          |                     |       |
| 2                            | 29.662 | 29.649    | 0.013     | 1905     | 51.9                |       |



Report Date: 13-Sep-2012 10:19:55

Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000009.D

Injection Date: 01-Sep-2012 13:50:42

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 5

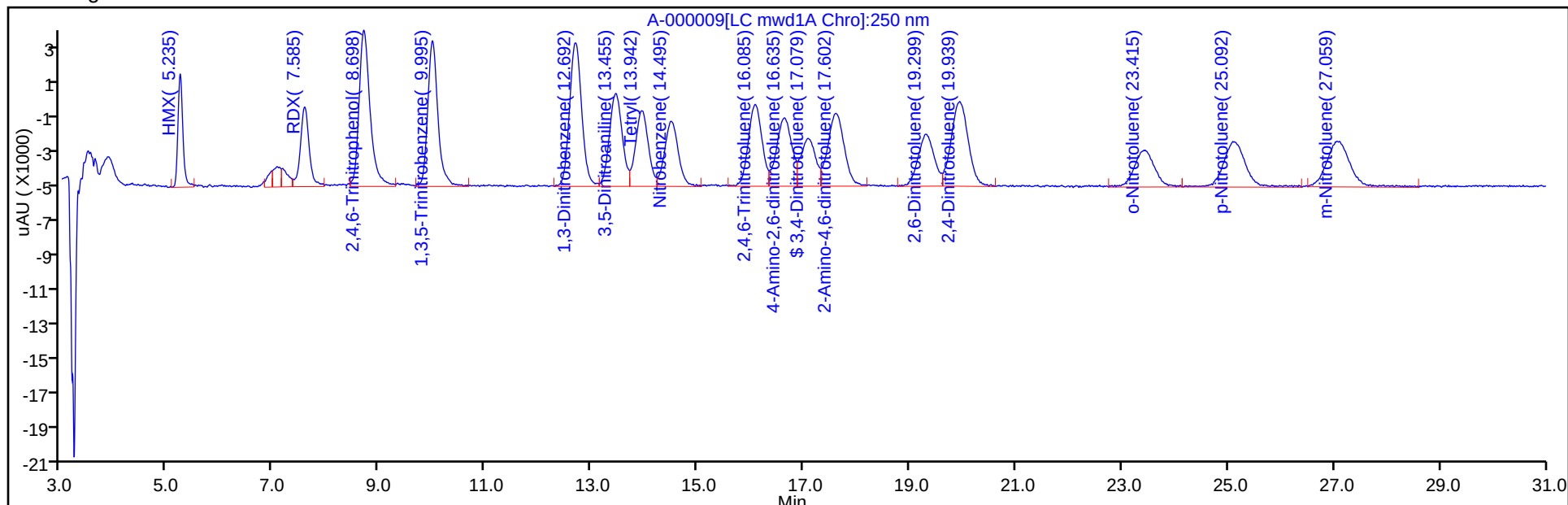
Operator ID: RN

Injection Vol: 500.0 ul

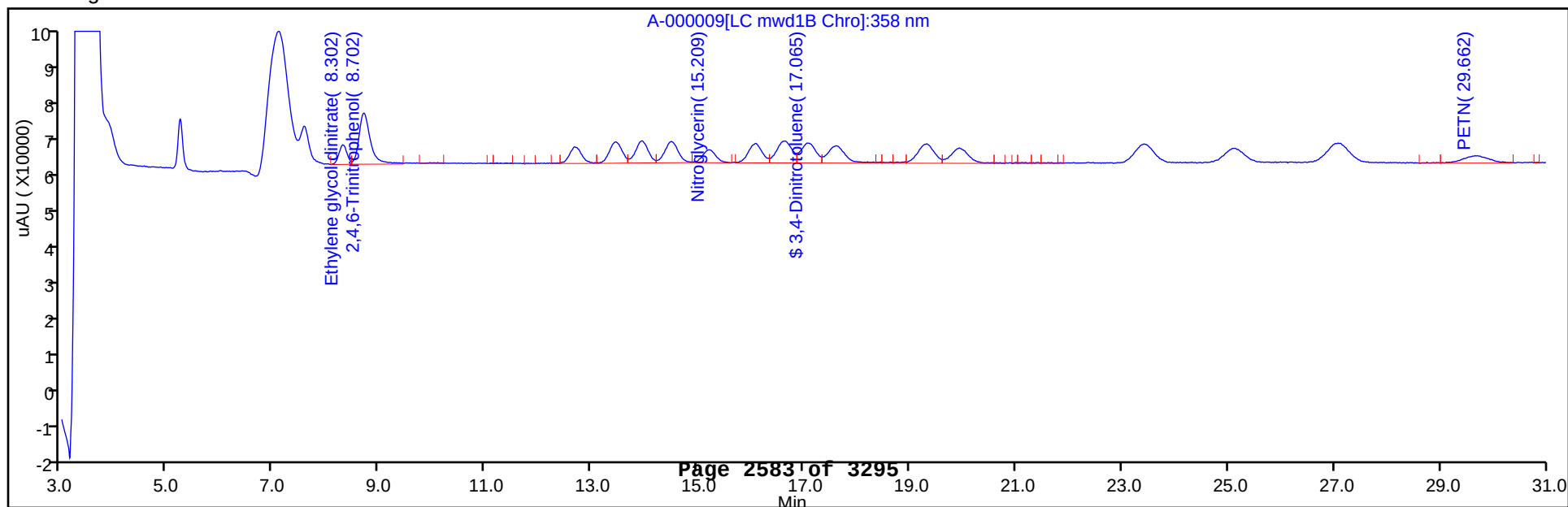
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D  
 Lims ID: STD05 Client ID:  
 Inject. Date: 01-Sep-2012 14:30:45 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 5  
 Sample ID: STD05 HP8330L5\_00004 100ng/mL;1  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 15  
 Lims Batch ID: 3377 Lims Sample ID: 6  
 Sublist: chrom-8330\_LC10\*sub1  
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330\_LC10.m  
 Last Update: 13-Sep-2012 10:19:55 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK003

First Level Reviewer: noonanr

Date: 12-Sep-2012 13:24:27

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 HMX  
 1 5.235 5.235 0.0 12739 101.2  
 19 RDX  
 1 7.579 7.579 0.0 8536 95.8  
 3 Ethylene glycol dinitrate  
 2 8.305 8.305 0.0 10281 106.1  
 10 2,4,6-Trinitrophenol  
 2 8.685 8.685 0.0 25652 208.3  
 1 8.685 8.685 0.0 16956 205.0  
 27 1,3,5-Trinitrobenzene  
 1 9.992 9.992 0.0 16163 99.3  
 24 1,3-Dinitrobenzene  
 1 12.682 12.682 0.0 16021 99.1  
 9 3,5-Dinitroaniline  
 1 13.449 13.449 0.0 10139 97.6  
 20 Tetryl  
 1 13.939 13.939 0.0 8264 95.5  
 5 Nitrobenzene  
 1 14.495 14.495 0.0 7116 96.5  
 7 Nitroglycerin  
 2 15.202 15.202 0.0 6542 100.8  
 25 2,4,6-Trinitrotoluene  
 1 16.069 16.069 0.0 8981 96.8  
 26 4-Amino-2,6-dinitrotoluene  
 1 16.619 16.619 0.0 7452 98.4  
 \$ 30 3,4-Dinitrotoluene  
 1 17.072 17.072 0.0 5248 93.2  
 2 17.082 17.082 0.0 10171 98.4

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D

| Det                          | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 6 2-Amino-4,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                            | 17.595 | 17.595    | 0.0       | 8044     | 96.2                |       |
| 12 2,6-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.285 | 19.285    | 0.0       | 5620     | 94.3                |       |
| 23 2,4-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.925 | 19.925    | 0.0       | 9373     | 97.7                |       |
| 16 o-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 23.415 | 23.415    | 0.0       | 4150     | 93.1                |       |
| 15 p-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 25.102 | 25.102    | 0.0       | 5047     | 94.5                |       |
| 8 m-Nitrotoluene             |        |           |           |          |                     |       |
| 1                            | 27.052 | 27.052    | 0.0       | 5003     | 92.8                | M     |
| 21 PETN                      |        |           |           |          |                     |       |
| 2                            | 29.649 | 29.649    | 0.0       | 3631     | 98.9                |       |

## QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Sep-2012 10:19:56

Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D

Injection Date: 01-Sep-2012 14:30:45

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 6

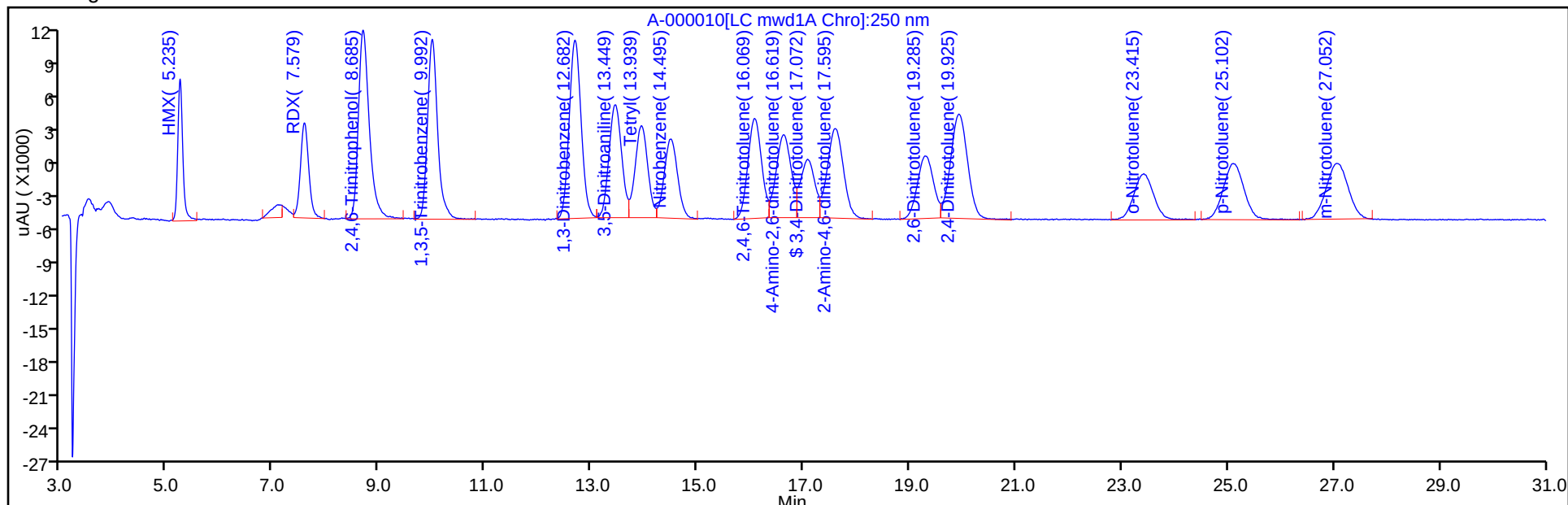
Operator ID: RN

Injection Vol: 500.0 ul

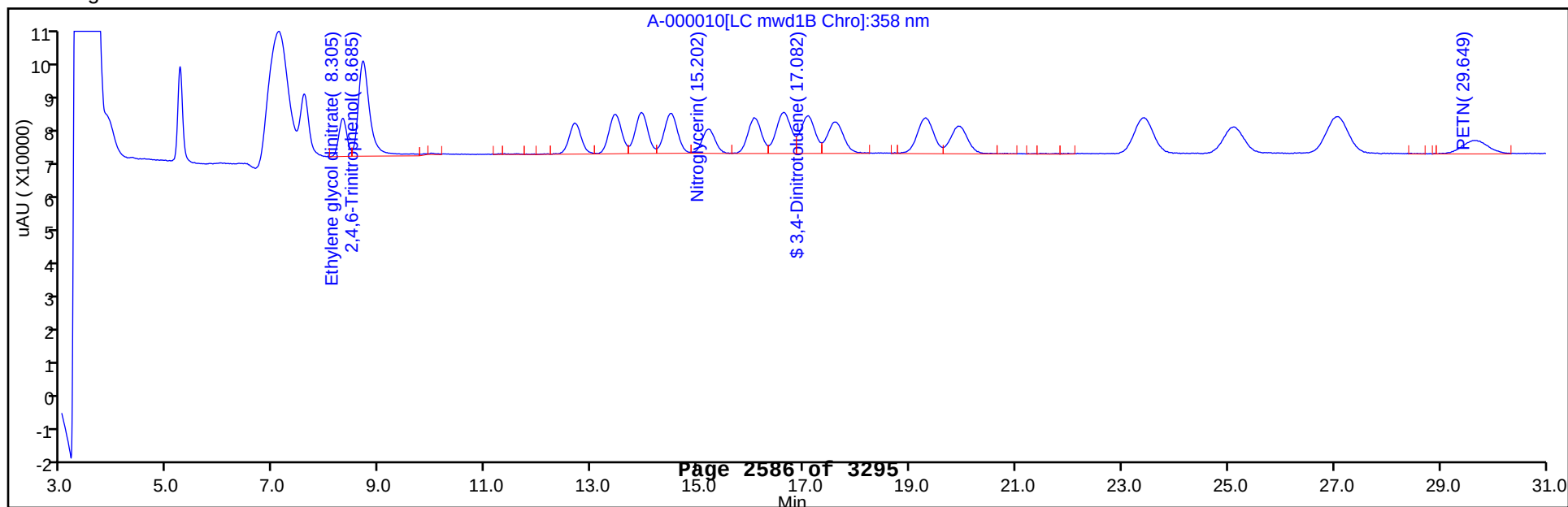
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D

Injection Date: 01-Sep-2012 14:30:45

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 6

Operator ID: RN

Injection Vol: 500.0 ul

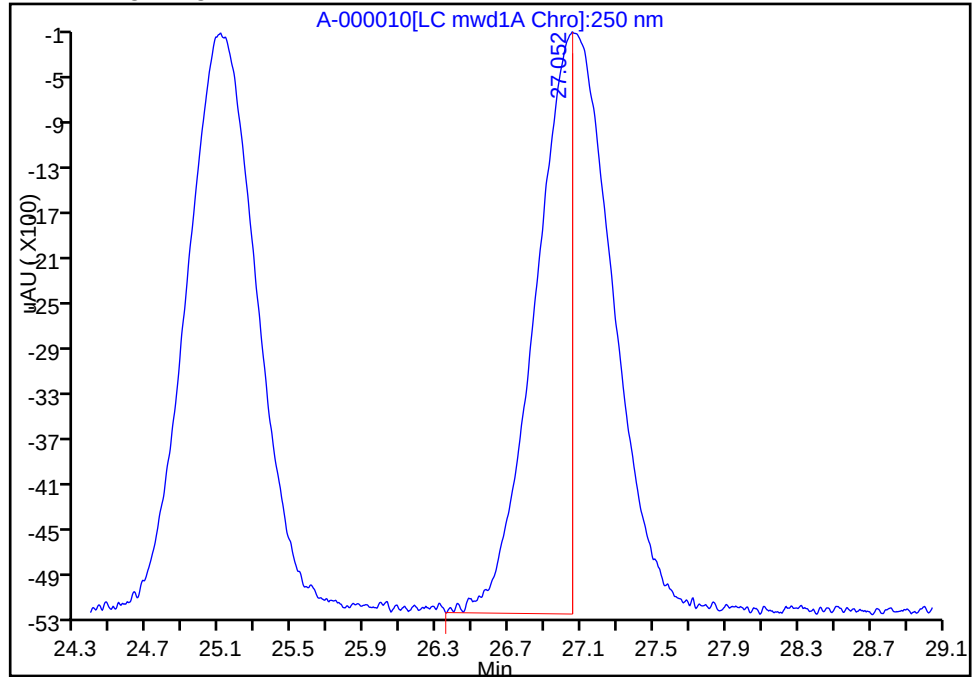
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 27.05, Det: LC mwd1A

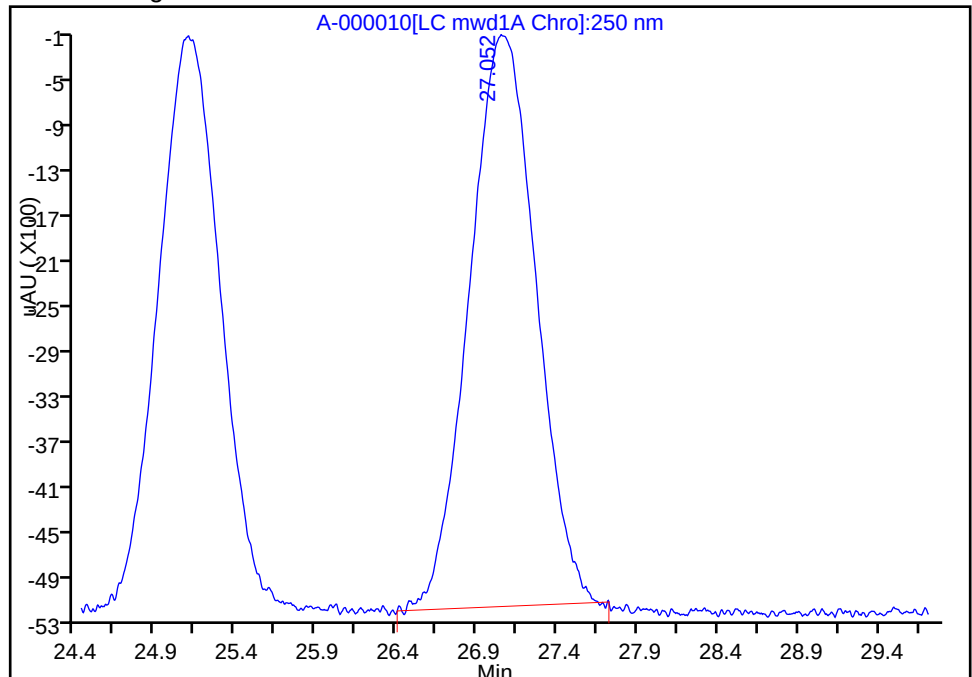
RT: 27.05  
Response: 5091  
Amount: 94.175972

## Processing Integration Results



RT: 27.05  
Response: 5003  
Amount: 92.750560

## Manual Integration Results



Reviewer: noonanr, 13-Sep-2012 09:42:08

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D  
 Lims ID: STD06 Client ID:  
 Inject. Date: 01-Sep-2012 15:10:52 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 6  
 Sample ID: STD06 HP8330L6\_00004 200ng/mL;1  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 16  
 Lims Batch ID: 3377 Lims Sample ID: 7  
 Sublist: chrom-8330\_LC10\*sub1  
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330\_LC10.m  
 Last Update: 13-Sep-2012 10:19:56 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK003

First Level Reviewer: noonanr

Date: 12-Sep-2012 13:26:22

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

|                               |        |        |        |       |       |  |
|-------------------------------|--------|--------|--------|-------|-------|--|
| 11 HMX                        |        |        |        |       |       |  |
| 1                             | 5.233  | 5.235  | -0.002 | 25014 | 198.8 |  |
| 19 RDX                        |        |        |        |       |       |  |
| 1                             | 7.573  | 7.579  | -0.006 | 16712 | 187.8 |  |
| 3 Ethylene glycol dinitrate   |        |        |        |       |       |  |
| 2                             | 8.296  | 8.305  | -0.009 | 20128 | 207.8 |  |
| 10 2,4,6-Trinitrophenol       |        |        |        |       |       |  |
| 2                             | 8.650  | 8.685  | -0.035 | 61874 | 502.4 |  |
| 1                             | 8.650  | 8.685  | -0.035 | 41089 | 497.0 |  |
| 27 1,3,5-Trinitrobenzene      |        |        |        |       |       |  |
| 1                             | 9.986  | 9.992  | -0.006 | 31839 | 195.7 |  |
| 24 1,3-Dinitrobenzene         |        |        |        |       |       |  |
| 1                             | 12.677 | 12.682 | -0.005 | 31698 | 196.1 |  |
| 9 3,5-Dinitroaniline          |        |        |        |       |       |  |
| 1                             | 13.437 | 13.449 | -0.012 | 20311 | 195.4 |  |
| 20 Tetryl                     |        |        |        |       |       |  |
| 1                             | 13.933 | 13.939 | -0.006 | 16873 | 194.9 |  |
| 5 Nitrobenzene                |        |        |        |       |       |  |
| 1                             | 14.487 | 14.495 | -0.008 | 14274 | 193.5 |  |
| 7 Nitroglycerin               |        |        |        |       |       |  |
| 2                             | 15.197 | 15.202 | -0.005 | 12931 | 199.3 |  |
| 25 2,4,6-Trinitrotoluene      |        |        |        |       |       |  |
| 1                             | 16.067 | 16.069 | -0.002 | 18091 | 194.9 |  |
| 26 4-Amino-2,6-dinitrotoluene |        |        |        |       |       |  |
| 1                             | 16.607 | 16.619 | -0.012 | 15085 | 199.1 |  |
| \$ 30 3,4-Dinitrotoluene      |        |        |        |       |       |  |
| 1                             | 17.073 | 17.072 | 0.001  | 10674 | 189.4 |  |
| 2                             | 17.070 | 17.082 | -0.012 | 19828 | 191.9 |  |

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D

| Det                          | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 6 2-Amino-4,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                            | 17.587 | 17.595    | -0.008    | 16240    | 194.2               |       |
| 12 2,6-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.293 | 19.285    | 0.008     | 11446    | 192.1               |       |
| 23 2,4-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.917 | 19.925    | -0.008    | 18903    | 196.9               |       |
| 16 o-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 23.400 | 23.415    | -0.015    | 8159     | 183.1               |       |
| 15 p-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 25.087 | 25.102    | -0.015    | 10033    | 187.7               |       |
| 8 m-Nitrotoluene             |        |           |           |          |                     |       |
| 1                            | 27.060 | 27.052    | 0.008     | 10192    | 188.9               |       |
| 21 PETN                      |        |           |           |          |                     |       |
| 2                            | 29.663 | 29.649    | 0.014     | 7108     | 193.5               |       |

Report Date: 13-Sep-2012 10:19:57

Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D

Injection Date: 01-Sep-2012 15:10:52

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 7

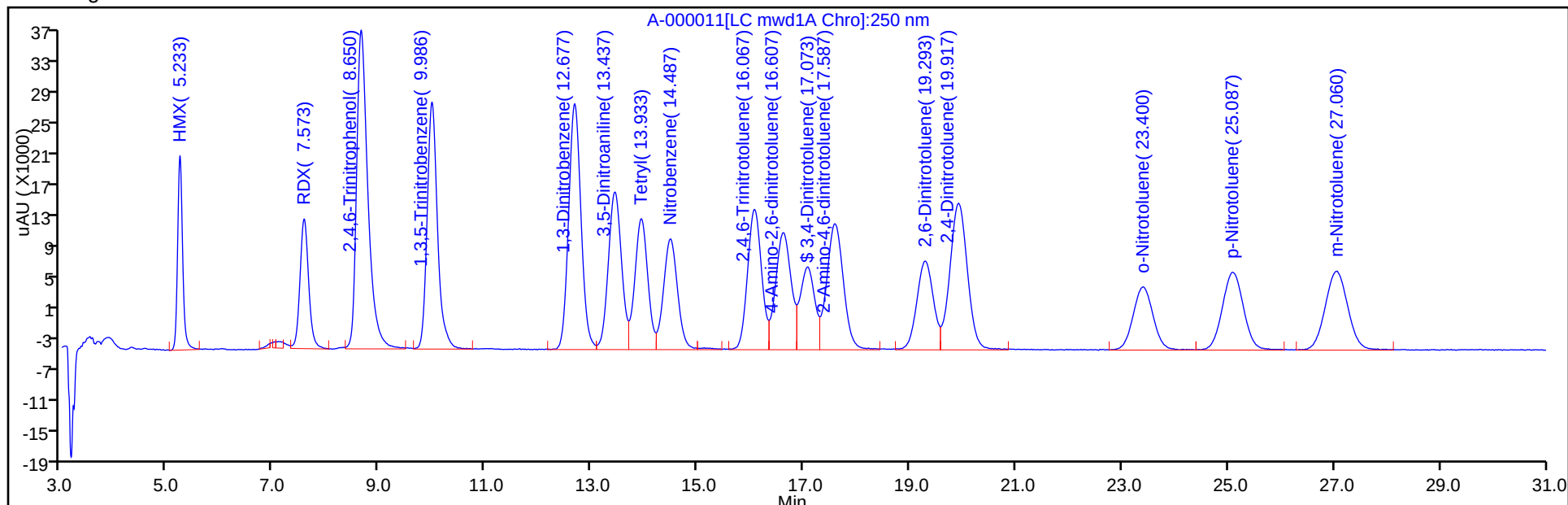
Operator ID: RN

Injection Vol: 500.0 ul

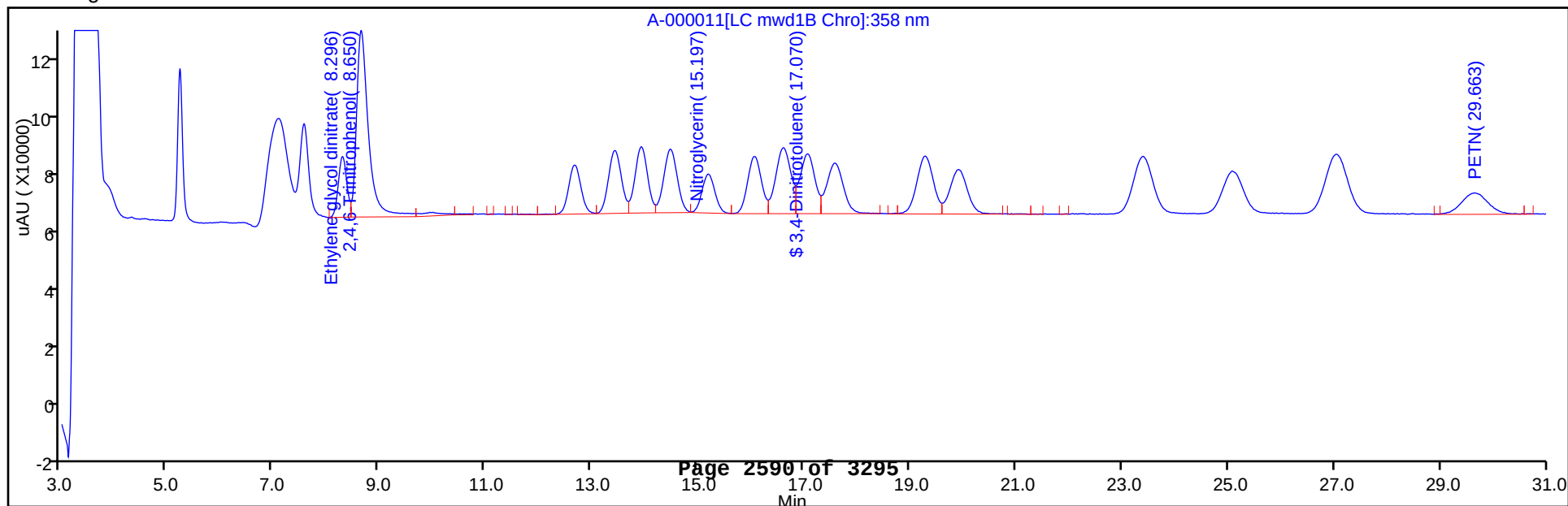
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:





TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000012.D  
 Lims ID: STD07 Client ID:  
 Inject. Date: 01-Sep-2012 15:50:51 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 7  
 Sample ID: STD07 HP8330L7\_00003 500ng/mL;1  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 17  
 Lims Batch ID: 3377 Lims Sample ID: 8  
 Sublist: chrom-8330\_LC10\*sub1  
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330\_LC10.m  
 Last Update: 13-Sep-2012 10:19:57 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK003

First Level Reviewer: noonanr

Date: 12-Sep-2012 13:26:45

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

|                               |        |        |        |        |       |  |
|-------------------------------|--------|--------|--------|--------|-------|--|
| 11 HMX                        |        |        |        |        |       |  |
| 1                             | 5.219  | 5.235  | -0.016 | 60012  | 477.0 |  |
| 19 RDX                        |        |        |        |        |       |  |
| 1                             | 7.552  | 7.579  | -0.027 | 38684  | 434.7 |  |
| 3 Ethylene glycol dinitrate   |        |        |        |        |       |  |
| 2                             | 8.275  | 8.305  | -0.030 | 46640  | 481.5 |  |
| 10 2,4,6-Trinitrophenol       |        |        |        |        |       |  |
| 2                             | 8.589  | 8.685  | -0.096 | 113505 | 921.6 |  |
| 1                             | 8.589  | 8.685  | -0.096 | 76565  | 926.2 |  |
| 27 1,3,5-Trinitrobenzene      |        |        |        |        |       |  |
| 1                             | 9.965  | 9.992  | -0.027 | 75872  | 466.4 |  |
| 24 1,3-Dinitrobenzene         |        |        |        |        |       |  |
| 1                             | 12.652 | 12.682 | -0.030 | 75133  | 464.7 |  |
| 9 3,5-Dinitroaniline          |        |        |        |        |       |  |
| 1                             | 13.406 | 13.449 | -0.043 | 48539  | 467.1 |  |
| 20 Tetryl                     |        |        |        |        |       |  |
| 1                             | 13.912 | 13.939 | -0.027 | 41709  | 481.9 |  |
| 5 Nitrobenzene                |        |        |        |        |       |  |
| 1                             | 14.459 | 14.495 | -0.036 | 33500  | 454.3 |  |
| 7 Nitroglycerin               |        |        |        |        |       |  |
| 2                             | 15.172 | 15.202 | -0.030 | 31323  | 482.7 |  |
| 25 2,4,6-Trinitrotoluene      |        |        |        |        |       |  |
| 1                             | 16.046 | 16.069 | -0.023 | 44540  | 480.0 |  |
| 26 4-Amino-2,6-dinitrotoluene |        |        |        |        |       |  |
| 1                             | 16.579 | 16.619 | -0.040 | 36822  | 486.2 |  |
| \$ 30 3,4-Dinitrotoluene      |        |        |        |        |       |  |
| 1                             | 17.032 | 17.072 | -0.040 | 16552  | 293.9 |  |
| 2                             | 17.046 | 17.082 | -0.036 | 30648  | 296.6 |  |

| Det                          | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 6 2-Amino-4,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                            | 17.552 | 17.595    | -0.043    | 39404    | 471.4               |       |
| 12 2,6-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.259 | 19.285    | -0.026    | 27941    | 469.0               |       |
| 23 2,4-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.886 | 19.925    | -0.039    | 46229    | 481.7               |       |
| 16 o-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 23.366 | 23.415    | -0.049    | 19740    | 443.0               |       |
| 15 p-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 25.062 | 25.102    | -0.040    | 24382    | 456.3               |       |
| 8 m-Nitrotoluene             |        |           |           |          |                     |       |
| 1                            | 27.016 | 27.052    | -0.036    | 24716    | 458.3               |       |
| 21 PETN                      |        |           |           |          |                     |       |
| 2                            | 29.619 | 29.649    | -0.030    | 17810    | 485.0               |       |

Report Date: 13-Sep-2012 10:19:57

Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000012.D

Injection Date: 01-Sep-2012 15:50:51

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 8

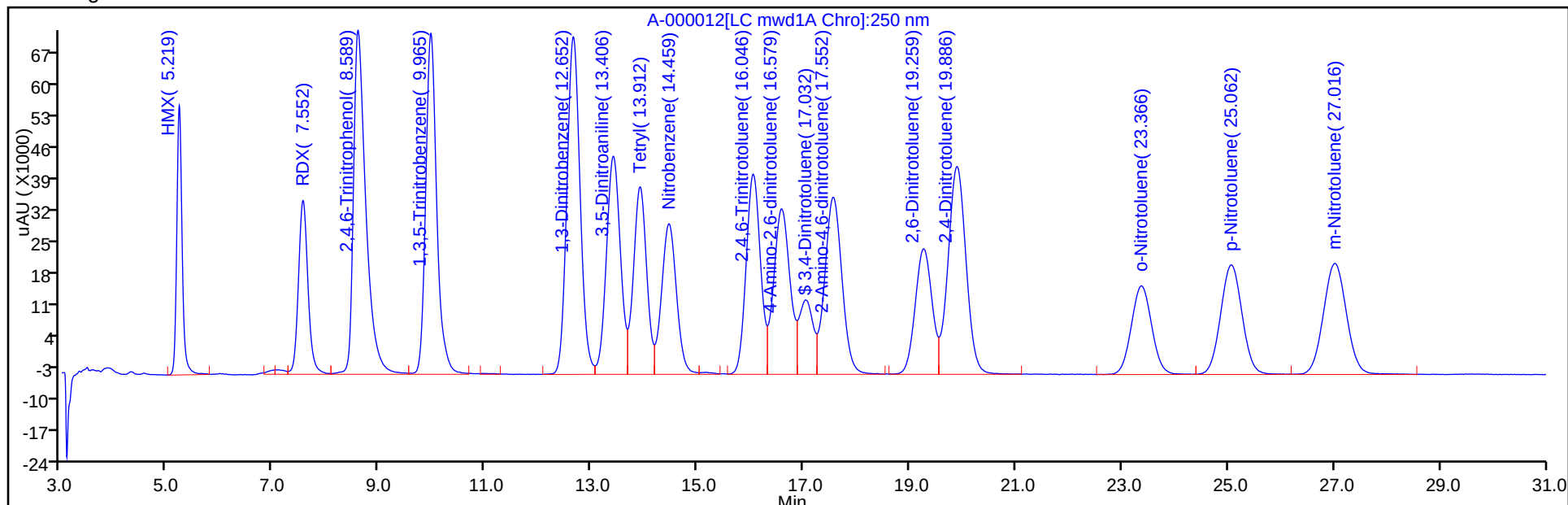
Operator ID: RN

Injection Vol: 500.0 ul

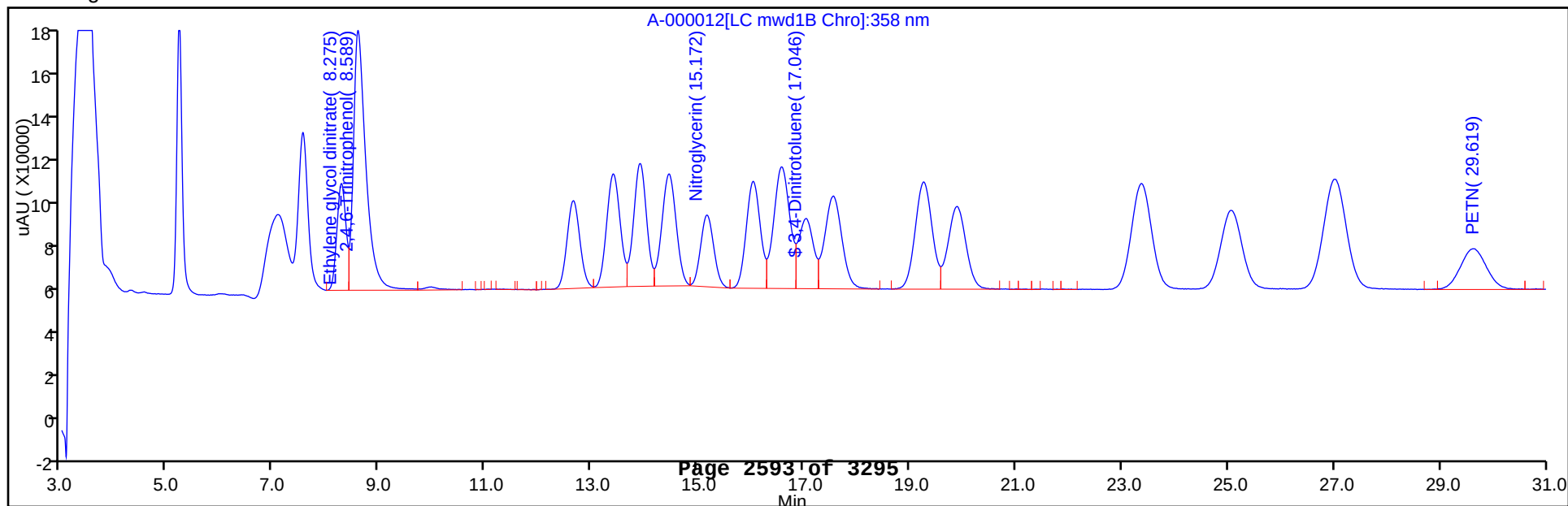
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Lims ID: STD08 Client ID:  
 Inject. Date: 01-Sep-2012 16:31:00 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 8  
 Sample ID: STD08 HP8330L1\_00003 1000ng/mL;1  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 18  
 Lims Batch ID: 3377 Lims Sample ID: 9  
 Sublist: chrom-8330\_LC10\*sub1  
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330\_LC10.m  
 Last Update: 13-Sep-2012 10:19:58 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK003

First Level Reviewer: noonanr

Date: 12-Sep-2012 13:31:32

| Det                           | RT     | EXP RT | DLT RT | Response | On-Col Amt ng/ml | Flags |
|-------------------------------|--------|--------|--------|----------|------------------|-------|
| 11 HMX                        |        |        |        |          |                  |       |
| 1                             | 5.195  | 5.235  | -0.040 | 103824   | 825.3            |       |
| 19 RDX                        |        |        |        |          |                  |       |
| 1                             | 7.512  | 7.579  | -0.067 | 62894    | 706.8            |       |
| 3 Ethylene glycol dinitrate   |        |        |        |          |                  |       |
| 2                             | 8.245  | 8.305  | -0.060 | 78274    | 808.1            |       |
| 10 2,4,6-Trinitrophenol       |        |        |        |          |                  |       |
| 2                             | 8.499  | 8.685  | -0.186 | 192528   | 1563.2           |       |
| 1                             | 8.495  | 8.685  | -0.190 | 130237   | 1575.4           |       |
| 27 1,3,5-Trinitrobenzene      |        |        |        |          |                  |       |
| 1                             | 9.925  | 9.992  | -0.067 | 131741   | 809.9            |       |
| 24 1,3-Dinitrobenzene         |        |        |        |          |                  |       |
| 1                             | 12.602 | 12.682 | -0.080 | 129194   | 799.1            |       |
| 9 3,5-Dinitroaniline          |        |        |        |          |                  |       |
| 1                             | 13.349 | 13.449 | -0.100 | 83656    | 805.1            |       |
| 20 Tetryl                     |        |        |        |          |                  |       |
| 1                             | 13.866 | 13.939 | -0.073 | 78184    | 903.3            |       |
| 5 Nitrobenzene                |        |        |        |          |                  |       |
| 1                             | 14.399 | 14.495 | -0.096 | 58527    | 793.7            |       |
| 7 Nitroglycerin               |        |        |        |          |                  |       |
| 2                             | 15.126 | 15.202 | -0.076 | 56481    | 870.5            |       |
| 25 2,4,6-Trinitrotoluene      |        |        |        |          |                  |       |
| 1                             | 16.002 | 16.069 | -0.067 | 82556    | 889.7            |       |
| 26 4-Amino-2,6-dinitrotoluene |        |        |        |          |                  |       |
| 1                             | 16.519 | 16.619 | -0.100 | 66457    | 877.5            |       |
| \$ 30 3,4-Dinitrotoluene      |        |        |        |          |                  |       |
| 1                             | 16.972 | 17.072 | -0.100 | 26867    | 477.1            |       |
| 2                             | 16.982 | 17.082 | -0.100 | 48479    | 469.2            |       |

| Det                          | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 6 2-Amino-4,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                            | 17.489 | 17.595    | -0.106    | 70652    | 845.2               |       |
| 12 2,6-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.199 | 19.285    | -0.086    | 51202    | 859.4               |       |
| 23 2,4-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.829 | 19.925    | -0.096    | 84833    | 884.0               |       |
| 16 o-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 23.292 | 23.415    | -0.123    | 36585    | 821.1               |       |
| 15 p-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 24.989 | 25.102    | -0.113    | 45695    | 855.2               |       |
| 8 m-Nitrotoluene             |        |           |           |          |                     |       |
| 1                            | 26.939 | 27.052    | -0.113    | 46712    | 866.1               |       |
| 21 PETN                      |        |           |           |          |                     |       |
| 2                            | 29.569 | 29.649    | -0.080    | 34728    | 945.6               |       |

Report Date: 13-Sep-2012 10:19:58

Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D

Injection Date: 01-Sep-2012 16:31:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 9

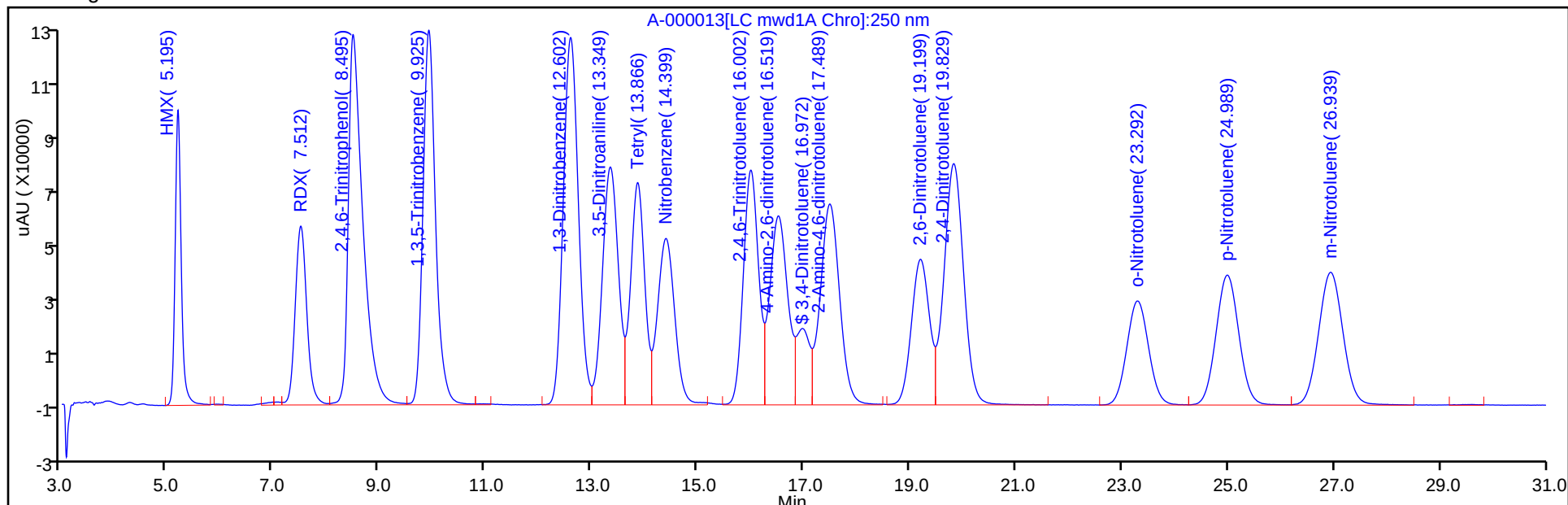
Operator ID: RN

Injection Vol: 500.0 ul

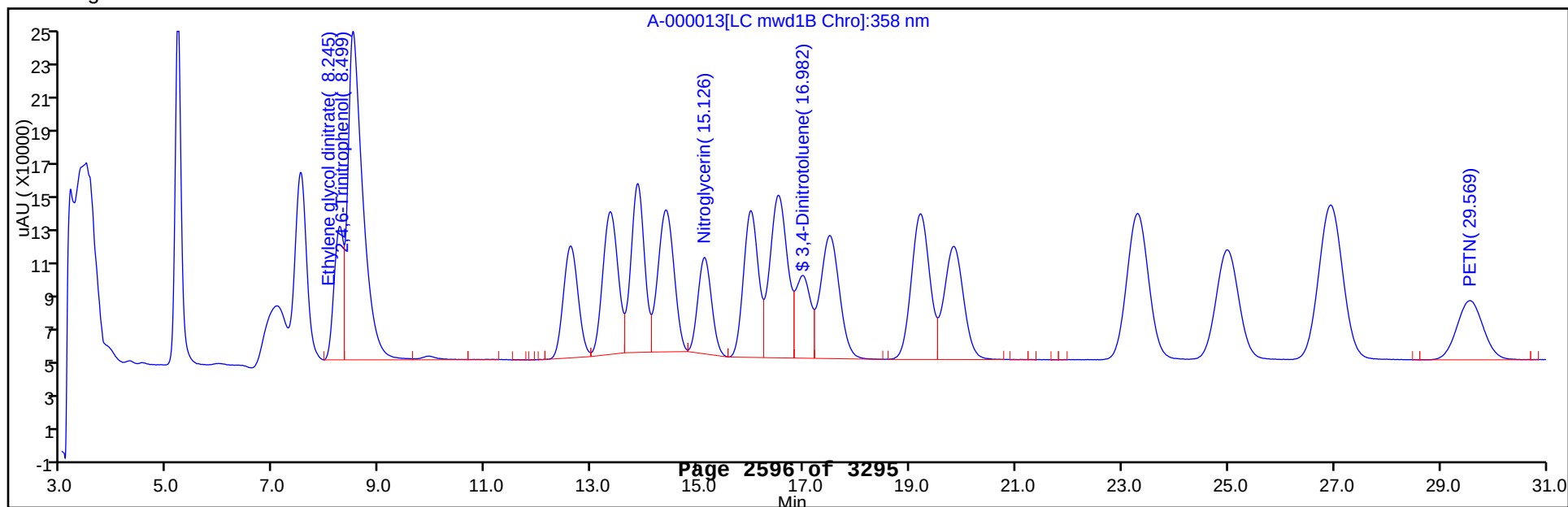
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000015.D Conc. Units: ng/mL

| ANALYTE                    | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|----------------------------|---------------|--------|-------|--------|----------------|-----------------|-------|-----------|
| HMX                        | Ave           | 125.8  | 129.4 |        | 514            | 500             | 2.8   | 20.0      |
| RDX                        | Ave           | 88.99  | 86.72 |        | 487            | 500             | -2.5  | 20.0      |
| Ethylene glycol dinitrate  | Ave           | 96.86  | 112.1 |        | 579            | 500             | 15.7  | 20.0      |
| 1,3,5-Trinitrobenzene      | Ave           | 162.7  | 158.6 |        | 488            | 500             | -2.5  | 20.0      |
| 1,3-Dinitrobenzene         | Ave           | 161.7  | 155.7 |        | 481            | 500             | -3.7  | 20.0      |
| 3,5-Dinitroaniline         | Ave           | 103.9  | 108.4 |        | 522            | 500             | 4.3   | 20.0      |
| Tetryl                     | Ave           | 86.55  | 92.08 |        | 532            | 500             | 6.4   | 20.0      |
| Nitrobenzene               | Ave           | 73.74  | 71.77 |        | 487            | 500             | -2.7  | 20.0      |
| Nitroglycerin              | Ave           | 64.89  | 64.13 |        | 494            | 500             | -1.2  | 20.0      |
| 2,4,6-Trinitrotoluene      | Ave           | 92.79  | 94.76 |        | 511            | 500             | 2.1   | 20.0      |
| 4-Amino-2,6-dinitrotoluene | Ave           | 75.73  | 72.57 |        | 479            | 500             | -4.2  | 20.0      |
| 2-Amino-4,6-dinitrotoluene | Ave           | 83.59  | 81.12 |        | 485            | 500             | -3.0  | 20.0      |
| 2,6-Dinitrotoluene         | Ave           | 59.58  | 57.45 |        | 482            | 500             | -3.6  | 20.0      |
| 2,4-Dinitrotoluene         | Ave           | 95.97  | 94.66 |        | 493            | 500             | -1.4  | 20.0      |
| 2-Nitrotoluene             | Ave           | 44.56  | 40.14 |        | 450            | 500             | -9.9  | 20.0      |
| 4-Nitrotoluene             | Ave           | 53.43  | 49.54 |        | 464            | 500             | -7.3  | 20.0      |
| 3-Nitrotoluene             | Ave           | 53.94  | 48.54 |        | 450            | 500             | -10.0 | 20.0      |
| PETN                       | Ave           | 36.72  | 35.94 |        | 489            | 500             | -2.1  | 20.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51  
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
 Lab File ID: A-000015.D

| Analyte                    | RT    | RT WINDOW |       |
|----------------------------|-------|-----------|-------|
|                            |       | FROM      | TO    |
| HMX                        | 5.24  | 4.99      | 5.49  |
| RDX                        | 7.58  | 7.33      | 7.83  |
| Ethylene glycol dinitrate  | 8.30  | 8.06      | 8.56  |
| 1,3,5-Trinitrobenzene      | 9.99  | 9.74      | 10.24 |
| 1,3-Dinitrobenzene         | 12.68 | 12.43     | 12.93 |
| 3,5-Dinitroaniline         | 13.44 | 13.20     | 13.70 |
| Tetryl                     | 13.94 | 13.69     | 14.19 |
| Nitrobenzene               | 14.49 | 14.25     | 14.75 |
| Nitroglycerin              | 15.19 | 14.95     | 15.45 |
| 2,4,6-Trinitrotoluene      | 16.07 | 15.82     | 16.32 |
| 4-Amino-2,6-dinitrotoluene | 16.61 | 16.37     | 16.87 |
| 2-Amino-4,6-dinitrotoluene | 17.59 | 17.35     | 17.85 |
| 2,6-Dinitrotoluene         | 19.29 | 19.04     | 19.54 |
| 2,4-Dinitrotoluene         | 19.92 | 19.68     | 20.18 |
| 2-Nitrotoluene             | 23.39 | 23.17     | 23.67 |
| 4-Nitrotoluene             | 25.08 | 24.85     | 25.35 |
| 3-Nitrotoluene             | 27.04 | 26.80     | 27.30 |
| PETN                       | 29.65 | 29.40     | 29.90 |



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000015.D  
 Lims ID: ICV Client ID:  
 Inject. Date: 01-Sep-2012 17:51:02 Dil. Factor: 1.0000  
 Sample Type: ICV  
 Sample ID: ICV HP8330IC\_00005 500ng/mL;2  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 19  
 Lims Batch ID: 3377 Lims Sample ID: 11  
 Sublist:

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330\_LC10.m  
 Last Update: 13-Sep-2012 10:19:58 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK003

First Level Reviewer: noonanr

Date: 12-Sep-2012 13:53:23

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 HMX

1 5.238 5.235 0.003 64694 514.2

19 RDX

1 7.584 7.579 0.005 43361 487.3

3 Ethylene glycol dinitrate

2 8.304 8.305 -0.001 56056 578.7

10 2,4,6-Trinitrophenol

2 8.611 8.685 -0.074 118451 961.8

1 8.611 8.685 -0.074 78800 953.2

27 1,3,5-Trinitrobenzene

1 9.991 9.992 -0.001 79307 487.5

24 1,3-Dinitrobenzene

1 12.684 12.682 0.002 77842 481.5

9 3,5-Dinitroaniline

1 13.438 13.449 -0.011 54213 521.7

20 Tetryl

1 13.938 13.939 -0.001 46038 531.9

5 Nitrobenzene

1 14.488 14.495 -0.007 35885 486.6

7 Nitroglycerin

2 15.194 15.202 -0.008 32066 494.2

25 2,4,6-Trinitrotoluene

1 16.071 16.069 0.002 47381 510.6

26 4-Amino-2,6-dinitrotoluene

1 16.611 16.619 -0.008 36286 479.1

6 2-Amino-4,6-dinitrotoluene

1 17.591 17.595 -0.004 40559 485.2

| Det                   | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----------------------|--------|-----------|-----------|----------|---------------------|-------|
| 12 2,6-Dinitrotoluene |        |           |           |          |                     |       |
| 1                     | 19.288 | 19.285    | 0.003     | 28726    | 482.1               |       |
| 23 2,4-Dinitrotoluene |        |           |           |          |                     |       |
| 1                     | 19.918 | 19.925    | -0.007    | 47332    | 493.2               |       |
| 16 o-Nitrotoluene     |        |           |           |          |                     |       |
| 1                     | 23.391 | 23.415    | -0.024    | 20070    | 450.5               |       |
| 15 p-Nitrotoluene     |        |           |           |          |                     |       |
| 1                     | 25.084 | 25.102    | -0.018    | 24769    | 463.6               |       |
| 8 m-Nitrotoluene      |        |           |           |          |                     |       |
| 1                     | 27.038 | 27.052    | -0.014    | 24271    | 450.0               |       |
| 21 PETN               |        |           |           |          |                     |       |
| 2                     | 29.648 | 29.649    | -0.001    | 17969    | 489.3               |       |

Report Date: 13-Sep-2012 10:20:00

Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000015.D

Injection Date: 01-Sep-2012 17:51:02

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 11

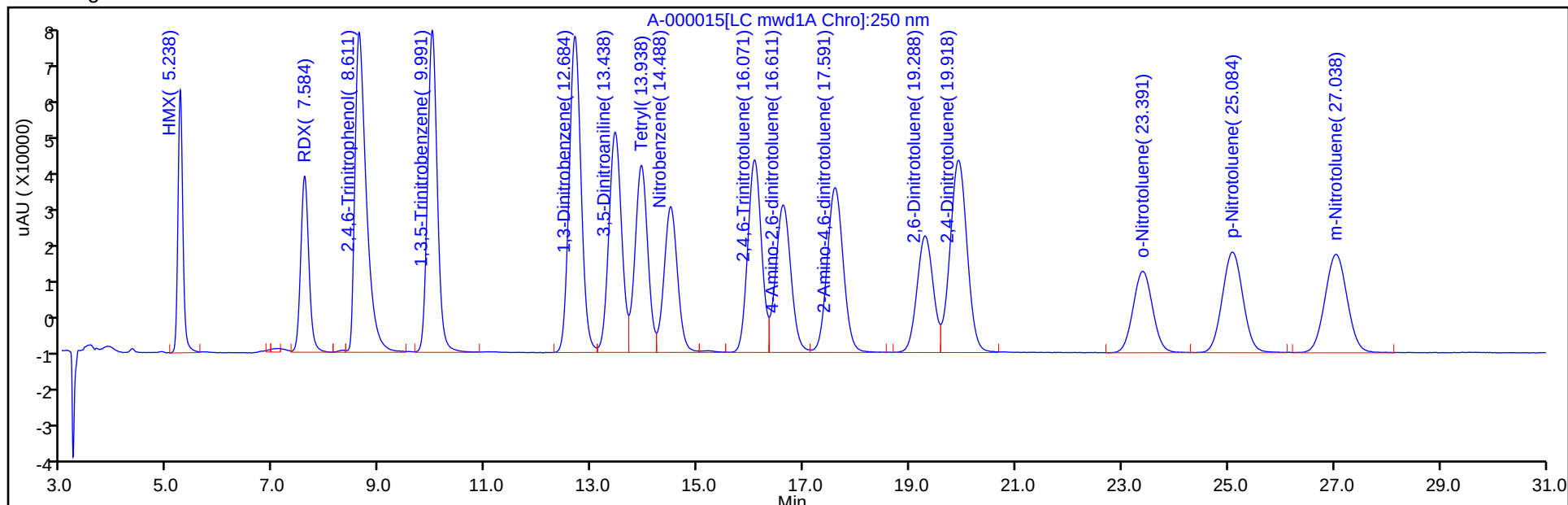
Operator ID: RN

Injection Vol: 500.0 ul

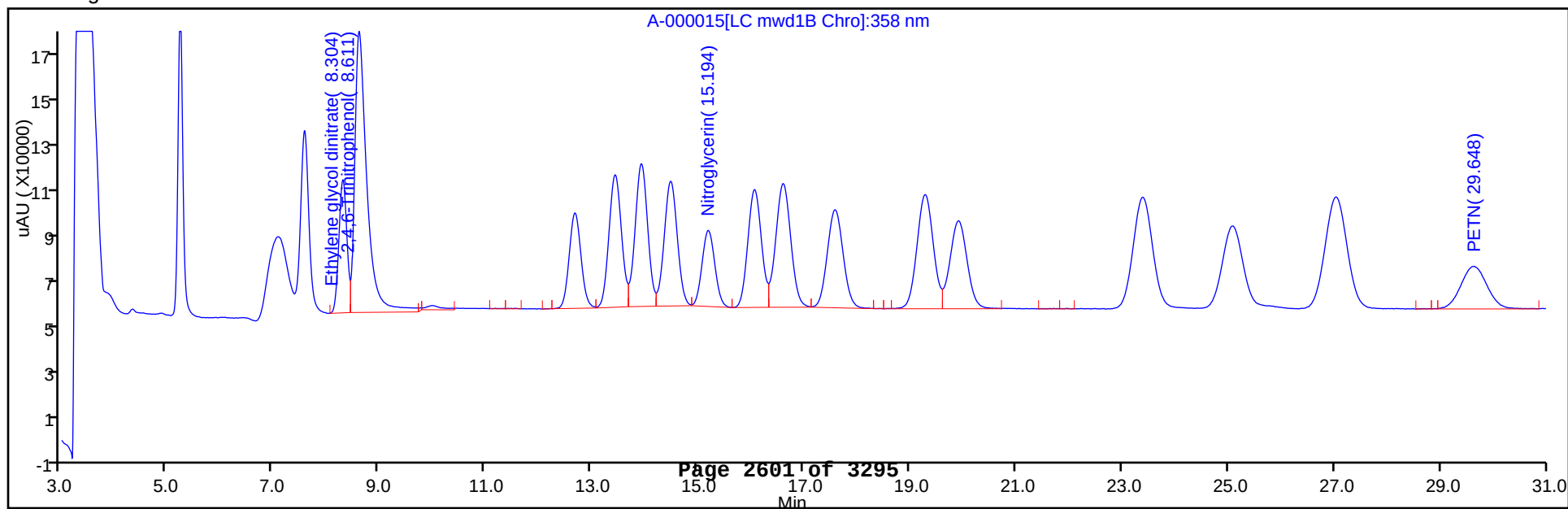
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11  
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
 Lab File ID: A-000017.D Conc. Units: ng/mL

| ANALYTE                    | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|----------------------------|---------------|--------|-------|--------|----------------|-----------------|-------|-----------|
| HMX                        | Ave           | 125.8  | 123.8 |        | 4.92           | 5.00            | -1.6  |           |
| RDX                        | Ave           | 88.99  | 99.40 |        | 5.59           | 5.00            | 11.7  |           |
| 1,3,5-Trinitrobenzene      | Ave           | 162.7  | 165.0 |        | 5.07           | 5.00            | 1.4   |           |
| 1,3-Dinitrobenzene         | Ave           | 161.7  | 168.6 |        | 5.21           | 5.00            | 4.3   |           |
| 3,5-Dinitroaniline         | Ave           | 103.9  | 110.0 |        | 5.29           | 5.00            | 5.9   |           |
| Tetryl                     | Ave           | 86.55  | 76.60 |        | 4.43           | 5.00            | -11.5 |           |
| Nitrobenzene               | Ave           | 73.74  | 77.80 |        | 5.28           | 5.00            | 5.5   |           |
| Nitroglycerin              | Ave           | 64.89  | 84.10 |        | 25.9           | 20.0            | 29.6  |           |
| 2,4,6-Trinitrotoluene      | Ave           | 92.79  | 89.60 |        | 4.83           | 5.00            | -3.4  |           |
| 4-Amino-2,6-dinitrotoluene | Ave           | 75.73  | 92.20 |        | 6.09           | 5.00            | 21.7  |           |
| 2-Amino-4,6-dinitrotoluene | Ave           | 83.59  | 91.20 |        | 5.46           | 5.00            | 9.1   |           |
| 2,6-Dinitrotoluene         | Ave           | 59.58  | 63.20 |        | 5.30           | 5.00            | 6.1   |           |
| 2,4-Dinitrotoluene         | Ave           | 95.97  | 108.0 |        | 5.63           | 5.00            | 12.5  |           |
| 2-Nitrotoluene             | Ave           | 44.56  | 55.20 |        | 6.19           | 5.00            | 23.9  |           |
| 4-Nitrotoluene             | Ave           | 53.43  | 69.20 |        | 6.48           | 5.00            | 29.5  |           |
| 3-Nitrotoluene             | Ave           | 53.94  | 62.60 |        | 5.80           | 5.00            | 16.1  |           |
| PETN                       | Ave           | 36.72  | 36.40 |        | 19.8           | 20.0            | -0.9  |           |
| 3,4-Dinitrotoluene         | Ave           | 56.32  | 52.85 |        | 18.8           | 20.0            | -6.2  |           |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11  
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
 Lab File ID: A-000017.D

| Analyte                    | RT    | RT WINDOW |       |
|----------------------------|-------|-----------|-------|
|                            |       | FROM      | TO    |
| HMX                        | 5.25  | 4.99      | 5.49  |
| RDX                        | 7.57  | 7.33      | 7.83  |
| 1,3,5-Trinitrobenzene      | 10.01 | 9.74      | 10.24 |
| 1,3-Dinitrobenzene         | 12.70 | 12.43     | 12.93 |
| 3,5-Dinitroaniline         | 13.46 | 13.20     | 13.70 |
| Tetryl                     | 13.90 | 13.69     | 14.19 |
| Nitrobenzene               | 14.53 | 14.25     | 14.75 |
| Nitroglycerin              | 15.19 | 14.95     | 15.45 |
| 2,4,6-Trinitrotoluene      | 16.09 | 15.82     | 16.32 |
| 4-Amino-2,6-dinitrotoluene | 16.61 | 16.37     | 16.87 |
| 2-Amino-4,6-dinitrotoluene | 17.57 | 17.35     | 17.85 |
| 2,6-Dinitrotoluene         | 19.30 | 19.04     | 19.54 |
| 2,4-Dinitrotoluene         | 19.97 | 19.68     | 20.18 |
| 2-Nitrotoluene             | 23.32 | 23.17     | 23.67 |
| 4-Nitrotoluene             | 25.07 | 24.85     | 25.35 |
| 3-Nitrotoluene             | 27.00 | 26.80     | 27.30 |
| PETN                       | 29.57 | 29.40     | 29.90 |
| Ethylene glycol dinitrate  |       |           |       |
| 3,4-Dinitrotoluene         | 17.07 | 16.82     | 17.32 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D  
 Lims ID: LODV 5-20ng/mL Client ID:  
 Inject. Date: 01-Sep-2012 19:11:04 Dil. Factor: 1.0000  
 Sample Type: LODV  
 Sample ID: MRL HP8330ICL\_00002 5-50ng/mL;2  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 21  
 Lims Batch ID: 3377 Lims Sample ID: 13  
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330\_LC10.m  
 Last Update: 13-Sep-2012 13:28:32 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK036

First Level Reviewer: noonanr

Date: 12-Sep-2012 14:27:02

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

11 HMX  
 1 5.245 5.235 0.010 619 4.92  
 19 RDX  
 1 7.565 7.579 -0.014 497 5.59  
 27 1,3,5-Trinitrobenzene  
 1 10.005 9.992 0.013 825 5.07  
 24 1,3-Dinitrobenzene  
 1 12.702 12.682 0.020 843 5.21  
 9 3,5-Dinitroaniline  
 1 13.459 13.449 0.010 550 5.29  
 20 Tetryl  
 1 13.902 13.939 -0.037 383 4.43  
 5 Nitrobenzene  
 1 14.532 14.495 0.037 389 5.28  
 7 Nitroglycerin  
 2 15.186 15.202 -0.016 1682 25.9  
 25 2,4,6-Trinitrotoluene  
 1 16.092 16.069 0.023 448 4.83  
 26 4-Amino-2,6-dinitrotoluene  
 1 16.609 16.619 -0.010 461 6.09  
 \$ 30 3,4-Dinitrotoluene  
 1 17.069 17.072 -0.003 1057 18.8  
 2 17.109 17.082 0.027 2127 20.6  
 6 2-Amino-4,6-dinitrotoluene  
 1 17.569 17.595 -0.026 456 5.46  
 12 2,6-Dinitrotoluene  
 1 19.299 19.285 0.014 316 5.30  
 23 2,4-Dinitrotoluene  
 1 19.966 19.925 0.041 540 5.63

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

16 o-Nitrotoluene

1 23.316 23.415 -0.099 276 6.19

15 p-Nitrotoluene

1 25.066 25.102 -0.036 346 6.48

8 m-Nitrotoluene

1 26.999 27.052 -0.053 313 5.80

21 PETN

2 29.572 29.649 -0.077 728 19.8

Report Date: 18-Sep-2012 08:28:09

Chrom Revision: 2.1 16-Sep-2012 09:37:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D

Injection Date: 01-Sep-2012 19:11:04

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 13

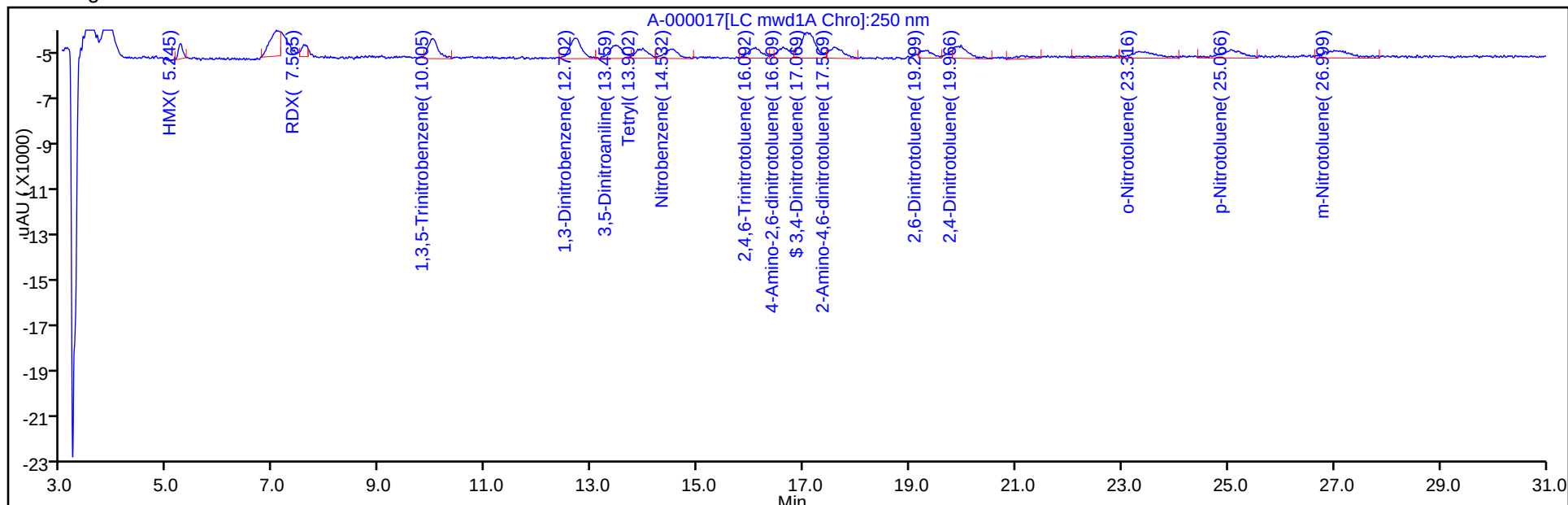
Operator ID: RN

Injection Vol: 500.0 ul

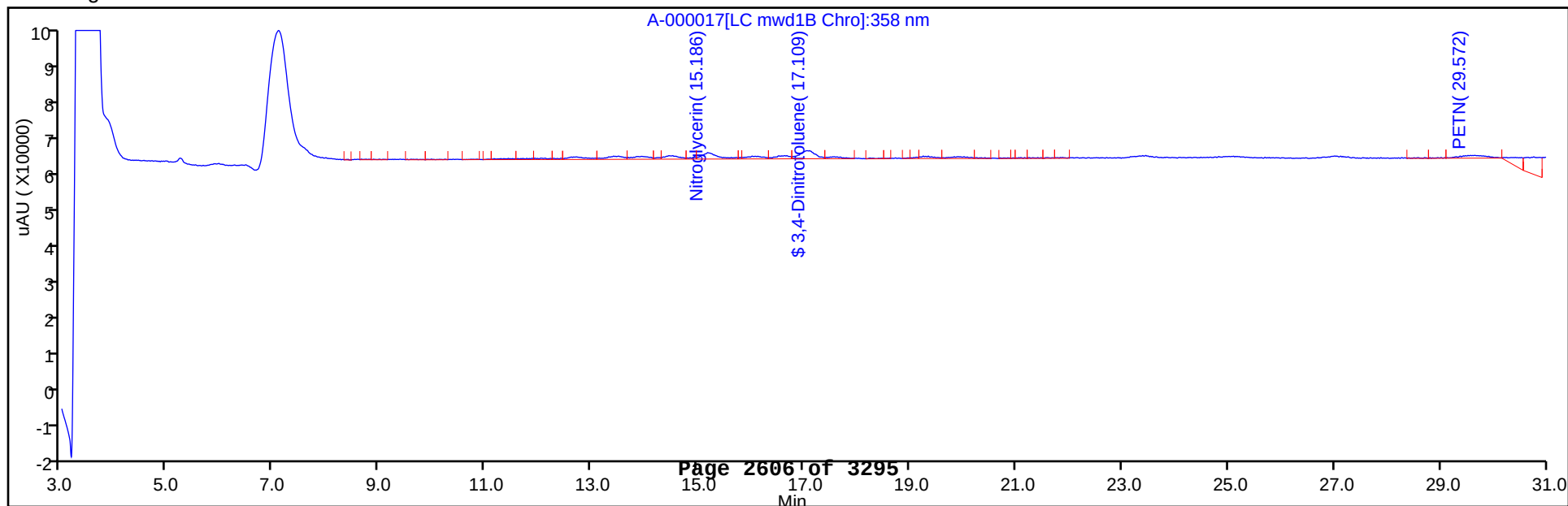
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:





FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVL 320-7620/47 Calibration Date: 12/20/2012 23:55  
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
 Lab File ID: S000048.D Conc. Units: ng/mL

| ANALYTE                    | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|----------------------------|---------------|--------|-------|--------|----------------|-----------------|-------|-----------|
| HMX                        | Ave           | 125.8  | 166.0 |        | 6.60           | 5.00            | 31.9* | 30.0      |
| RDX                        | Ave           | 88.99  | 147.8 |        | 8.30           | 5.00            | 66.1* | 30.0      |
| 1,3,5-Trinitrobenzene      | Ave           | 162.7  | 198.6 |        | 6.10           | 5.00            | 22.1  | 30.0      |
| 1,3-Dinitrobenzene         | Ave           | 161.7  | 194.8 |        | 6.02           | 5.00            | 20.5  | 30.0      |
| 3,5-Dinitroaniline         | Ave           | 103.9  | 137.8 |        | 6.63           | 5.00            | 32.6* | 30.0      |
| Tetryl                     | Ave           | 86.55  | 119.4 |        | 6.90           | 5.00            | 38.0* | 30.0      |
| Nitrobenzene               | Ave           | 73.74  | 103.2 |        | 7.00           | 5.00            | 40.0* | 30.0      |
| Nitroglycerin              | Ave           | 64.89  | 77.75 |        | 24.0           | 20.0            | 19.8  | 30.0      |
| 2,4,6-Trinitrotoluene      | Ave           | 92.79  | 128.6 |        | 6.93           | 5.00            | 38.6* | 30.0      |
| 4-Amino-2,6-dinitrotoluene | Ave           | 75.73  | 110.4 |        | 7.29           | 5.00            | 45.8* | 30.0      |
| 2-Amino-4,6-dinitrotoluene | Ave           | 83.59  | 104.0 |        | 6.22           | 5.00            | 24.4  | 30.0      |
| 2,6-Dinitrotoluene         | Ave           | 59.58  | 92.00 |        | 7.72           | 5.00            | 54.4* | 30.0      |
| 2,4-Dinitrotoluene         | Ave           | 95.97  | 124.8 |        | 6.50           | 5.00            | 30.0  | 30.0      |
| 2-Nitrotoluene             | Ave           | 44.56  | 71.60 |        | 8.04           | 5.00            | 60.7* | 30.0      |
| 4-Nitrotoluene             | Ave           | 53.43  | 75.20 |        | 7.04           | 5.00            | 40.7* | 30.0      |
| 3-Nitrotoluene             | Ave           | 53.94  | 69.00 |        | 6.40           | 5.00            | 27.9  | 30.0      |
| PETN                       | Ave           | 36.72  | 61.30 |        | 33.4           | 20.0            | 66.9* | 30.0      |
| 3,4-Dinitrotoluene         | Ave           | 56.32  | 59.95 |        | 21.3           | 20.0            | 6.5   | 30.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVL 320-7620/47 Calibration Date: 12/20/2012 23:55  
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
 Lab File ID: S000048.D

| Analyte                    | RT    | RT WINDOW |       |
|----------------------------|-------|-----------|-------|
|                            |       | FROM      | TO    |
| HMX                        | 5.22  | 4.97      | 5.47  |
| RDX                        | 7.49  | 7.24      | 7.74  |
| 1,3,5-Trinitrobenzene      | 9.84  | 9.59      | 10.09 |
| 1,3-Dinitrobenzene         | 12.46 | 12.21     | 12.71 |
| 3,5-Dinitroaniline         | 13.21 | 12.96     | 13.46 |
| Tetryl                     | 13.64 | 13.39     | 13.89 |
| Nitrobenzene               | 14.20 | 13.95     | 14.45 |
| Nitroglycerin              | 14.88 | 14.63     | 15.13 |
| 2,4,6-Trinitrotoluene      | 15.75 | 15.50     | 16.00 |
| 4-Amino-2,6-dinitrotoluene | 16.27 | 16.02     | 16.52 |
| 2-Amino-4,6-dinitrotoluene | 17.28 | 17.03     | 17.53 |
| 2,6-Dinitrotoluene         | 18.89 | 18.64     | 19.14 |
| 2,4-Dinitrotoluene         | 19.46 | 19.21     | 19.71 |
| 2-Nitrotoluene             | 22.83 | 22.58     | 23.08 |
| 4-Nitrotoluene             | 24.48 | 24.23     | 24.73 |
| 3-Nitrotoluene             | 26.26 | 26.01     | 26.51 |
| PETN                       | 28.73 | 28.48     | 28.98 |
| 3,4-Dinitrotoluene         | 16.75 | 16.50     | 17.00 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D  
 Lims ID: CCVL Client ID:  
 Inject. Date: 20-Dec-2012 23:55:13 Dil. Factor: 1.0000  
 Sample Type: CCVL  
 Sample ID: 320-0001888-047  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 10  
 Lims Batch ID: 7620 Lims Sample ID: 47  
 Sublist: chrom-8330\_LC10\*sub2  
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330\_LC10.m  
 Last Update: 21-Dec-2012 14:23:44 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 21-Dec-2012 14:23:44

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

|                               |        |        |     |      |      |   |
|-------------------------------|--------|--------|-----|------|------|---|
| 11 HMX                        |        |        |     |      |      |   |
| 1                             | 5.218  | 5.218  | 0.0 | 830  | 6.60 |   |
| 19 RDX                        |        |        |     |      |      |   |
| 1                             | 7.491  | 7.491  | 0.0 | 739  | 8.30 |   |
| 27 1,3,5-Trinitrobenzene      |        |        |     |      |      |   |
| 1                             | 9.838  | 9.838  | 0.0 | 993  | 6.10 |   |
| 24 1,3-Dinitrobenzene         |        |        |     |      |      |   |
| 1                             | 12.461 | 12.461 | 0.0 | 974  | 6.02 |   |
| 9 3,5-Dinitroaniline          |        |        |     |      |      |   |
| 1                             | 13.208 | 13.208 | 0.0 | 689  | 6.63 |   |
| 20 Tetryl                     |        |        |     |      |      |   |
| 1                             | 13.641 | 13.641 | 0.0 | 597  | 6.90 |   |
| 5 Nitrobenzene                |        |        |     |      |      |   |
| 1                             | 14.198 | 14.198 | 0.0 | 516  | 7.00 |   |
| 7 Nitroglycerin               |        |        |     |      |      |   |
| 2                             | 14.878 | 14.878 | 0.0 | 1555 | 24.0 |   |
| 25 2,4,6-Trinitrotoluene      |        |        |     |      |      |   |
| 1                             | 15.748 | 15.748 | 0.0 | 643  | 6.93 |   |
| 26 4-Amino-2,6-dinitrotoluene |        |        |     |      |      |   |
| 1                             | 16.271 | 16.271 | 0.0 | 552  | 7.29 | M |
| \$ 30 3,4-Dinitrotoluene      |        |        |     |      |      |   |
| 1                             | 16.751 | 16.751 | 0.0 | 1199 | 21.3 |   |
| 2                             | 16.738 | 16.738 | 0.0 | 2295 | 22.2 |   |
| 6 2-Amino-4,6-dinitrotoluene  |        |        |     |      |      |   |
| 1                             | 17.278 | 17.278 | 0.0 | 520  | 6.22 |   |
| 12 2,6-Dinitrotoluene         |        |        |     |      |      |   |
| 1                             | 18.894 | 18.894 | 0.0 | 460  | 7.72 |   |

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D

| Det                   | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----------------------|--------|-----------|-----------|----------|---------------------|-------|
| 23 2,4-Dinitrotoluene |        |           |           |          |                     |       |
| 1                     | 19.458 | 19.458    | 0.0       | 624      | 6.50                |       |
| 16 o-Nitrotoluene     |        |           |           |          |                     |       |
| 1                     | 22.828 | 22.828    | 0.0       | 358      | 8.04                |       |
| 15 p-Nitrotoluene     |        |           |           |          |                     |       |
| 1                     | 24.484 | 24.484    | 0.0       | 376      | 7.04                |       |
| 8 m-Nitrotoluene      |        |           |           |          |                     |       |
| 1                     | 26.261 | 26.261    | 0.0       | 345      | 6.40                |       |
| 21 PETN               |        |           |           |          |                     |       |
| 2                     | 28.731 | 28.731    | 0.0       | 1226     | 33.4                |       |

## QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Dec-2012 14:23:45

Chrom Revision: 2.1 20-Dec-2012 15:49:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D

Injection Date: 20-Dec-2012 23:55:13

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 47

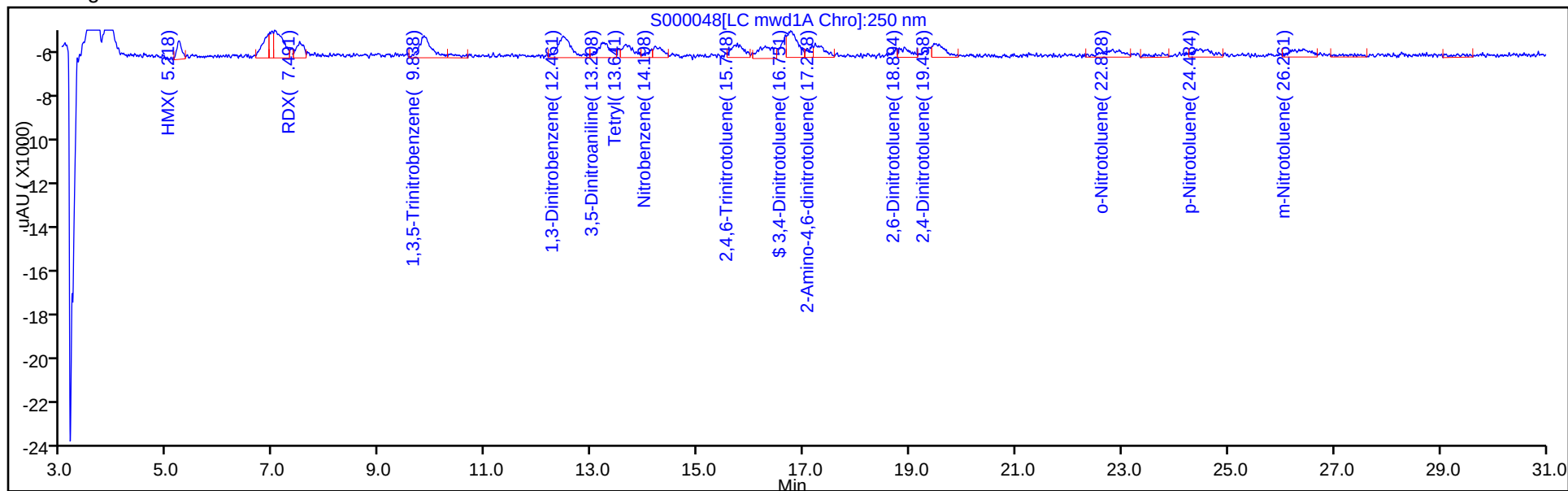
Operator ID: RN

Injection Vol: 500.0 ul

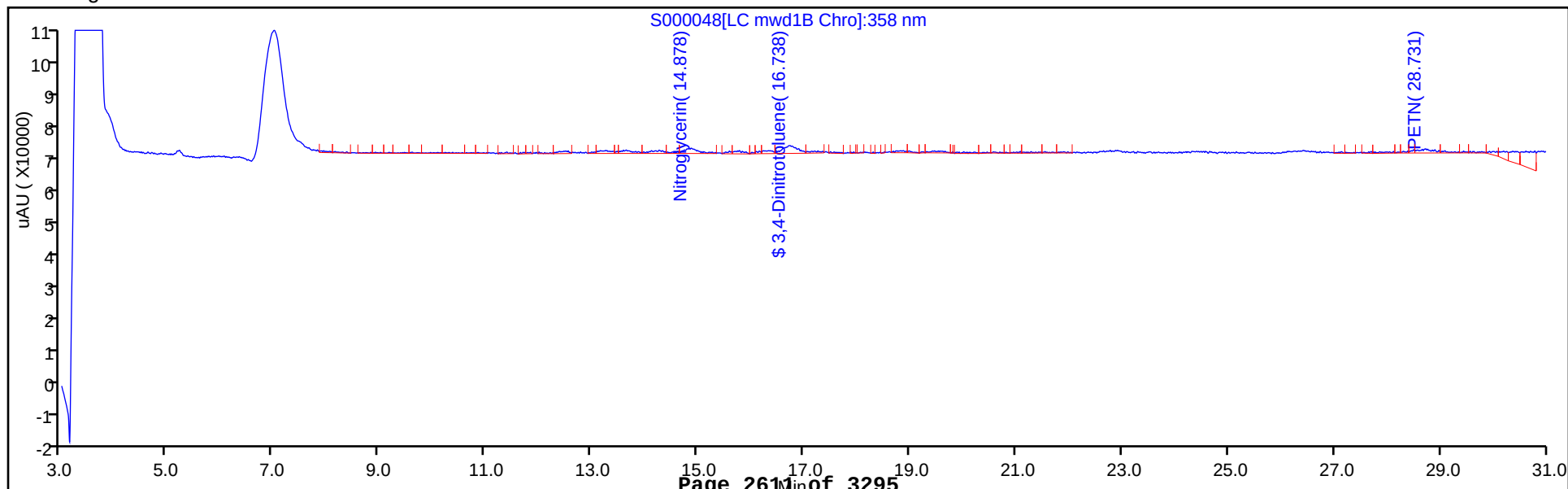
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D

Injection Date: 20-Dec-2012 23:55:13

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 47

Operator ID: RN

Injection Vol: 500.0 ul

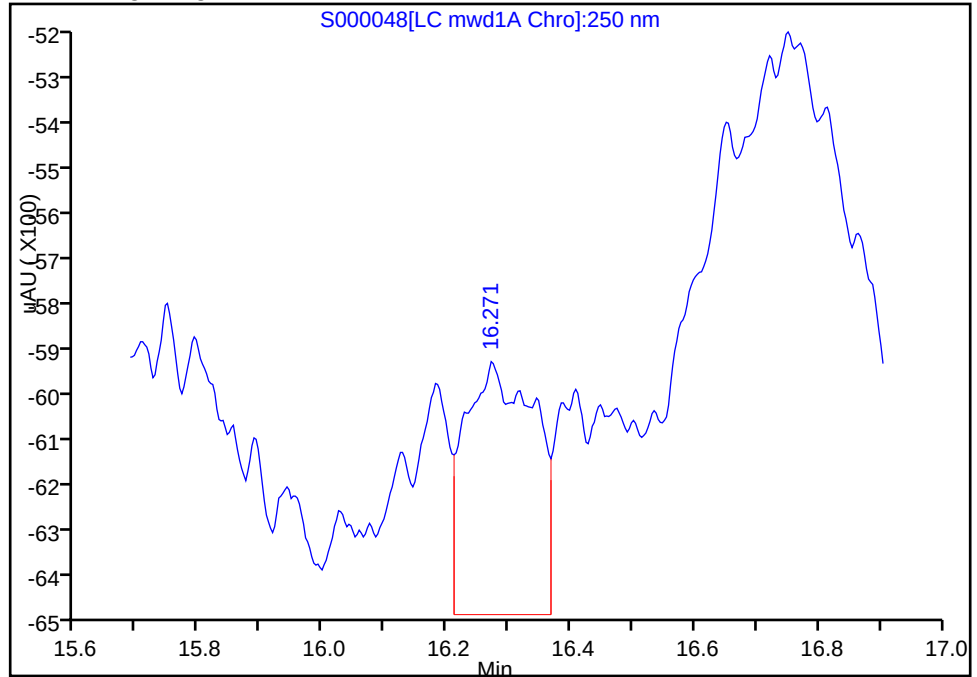
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.27, Det: LC mwd1A

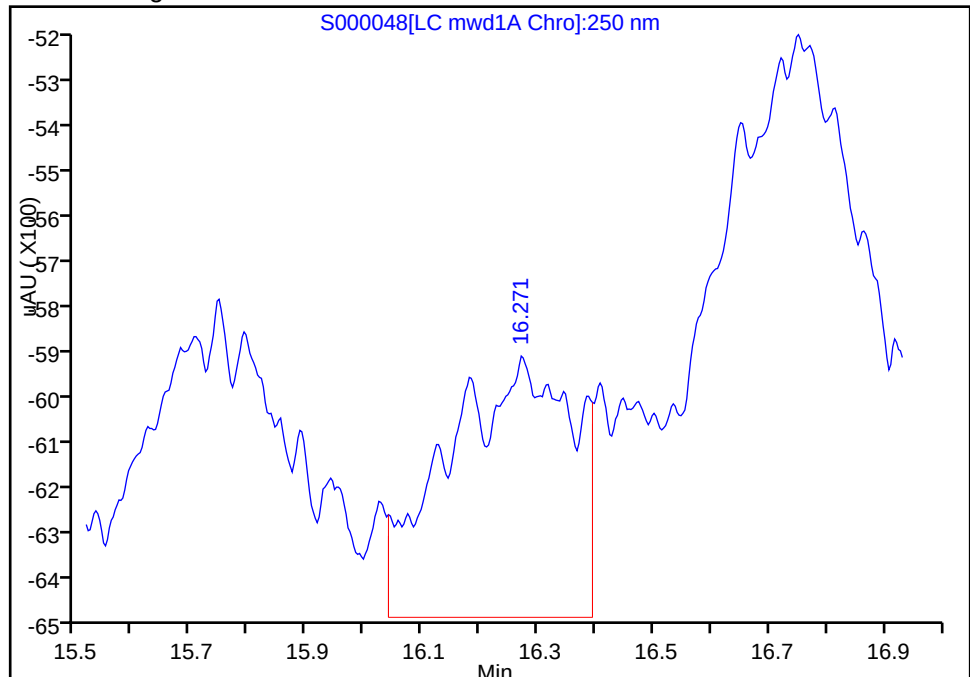
RT: 16.27  
Response: 521  
Amount: 6.879636

## Processing Integration Results



RT: 16.27  
Response: 552  
Amount: 7.288981

## Manual Integration Results



Reviewer: noonanr, 21-Dec-2012 14:23:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 320-7620/67 Calibration Date: 12/21/2012 12:41  
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
 Lab File ID: S000067.D Conc. Units: ng/mL

| ANALYTE                    | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D   | MAX<br>%D |
|----------------------------|---------------|--------|-------|--------|----------------|-----------------|------|-----------|
| HMX                        | Ave           | 125.8  | 129.1 |        | 103            | 100             | 2.7  | 20.0      |
| RDX                        | Ave           | 88.99  | 88.16 |        | 99.1           | 100             | -0.9 | 20.0      |
| Ethylene glycol dinitrate  | Ave           | 96.86  | 103.1 |        | 106            | 100             | 6.5  | 20.0      |
| 1,3,5-Trinitrobenzene      | Ave           | 162.7  | 163.8 |        | 101            | 100             | 0.7  | 20.0      |
| 1,3-Dinitrobenzene         | Ave           | 161.7  | 164.7 |        | 102            | 100             | 1.9  | 20.0      |
| 3,5-Dinitroaniline         | Ave           | 103.9  | 104.8 |        | 101            | 100             | 0.9  | 20.0      |
| Tetryl                     | Ave           | 86.55  | 92.91 |        | 107            | 100             | 7.3  | 20.0      |
| Nitrobenzene               | Ave           | 73.74  | 72.18 |        | 97.9           | 100             | -2.1 | 20.0      |
| Nitroglycerin              | Ave           | 64.89  | 66.61 |        | 103            | 100             | 2.7  | 20.0      |
| 2,4,6-Trinitrotoluene      | Ave           | 92.79  | 98.95 |        | 107            | 100             | 6.6  | 20.0      |
| 4-Amino-2,6-dinitrotoluene | Ave           | 75.73  | 75.59 |        | 99.8           | 100             | -0.2 | 20.0      |
| 2-Amino-4,6-dinitrotoluene | Ave           | 83.59  | 82.95 |        | 99.2           | 100             | -0.8 | 20.0      |
| 2,6-Dinitrotoluene         | Ave           | 59.58  | 58.73 |        | 98.6           | 100             | -1.4 | 20.0      |
| 2,4-Dinitrotoluene         | Ave           | 95.97  | 96.38 |        | 100            | 100             | 0.4  | 20.0      |
| 2-Nitrotoluene             | Ave           | 44.56  | 42.34 |        | 95.0           | 100             | -5.0 | 20.0      |
| 4-Nitrotoluene             | Ave           | 53.43  | 50.98 |        | 95.4           | 100             | -4.6 | 20.0      |
| 3-Nitrotoluene             | Ave           | 53.94  | 50.97 |        | 94.5           | 100             | -5.5 | 20.0      |
| PETN                       | Ave           | 36.72  | 38.94 |        | 106            | 100             | 6.0  | 20.0      |
| 3,4-Dinitrotoluene         | Ave           | 56.32  | 53.23 |        | 94.5           | 100             | -5.5 | 20.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 320-7620/67 Calibration Date: 12/21/2012 12:41  
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
 Lab File ID: S000067.D

| Analyte                    | RT    | RT WINDOW |       |
|----------------------------|-------|-----------|-------|
|                            |       | FROM      | TO    |
| HMX                        | 5.22  | 4.97      | 5.47  |
| RDX                        | 7.51  | 7.26      | 7.76  |
| Ethylene glycol dinitrate  | 8.21  | 7.96      | 8.46  |
| 1,3,5-Trinitrobenzene      | 9.86  | 9.61      | 10.11 |
| 1,3-Dinitrobenzene         | 12.48 | 12.23     | 12.73 |
| 3,5-Dinitroaniline         | 13.22 | 12.97     | 13.47 |
| Tetryl                     | 13.65 | 13.40     | 13.90 |
| Nitrobenzene               | 14.22 | 13.97     | 14.47 |
| Nitroglycerin              | 14.89 | 14.64     | 15.14 |
| 2,4,6-Trinitrotoluene      | 15.76 | 15.51     | 16.01 |
| 4-Amino-2,6-dinitrotoluene | 16.30 | 16.05     | 16.55 |
| 2-Amino-4,6-dinitrotoluene | 17.27 | 17.02     | 17.52 |
| 2,6-Dinitrotoluene         | 18.88 | 18.63     | 19.13 |
| 2,4-Dinitrotoluene         | 19.52 | 19.27     | 19.77 |
| 2-Nitrotoluene             | 22.89 | 22.64     | 23.14 |
| 4-Nitrotoluene             | 24.56 | 24.31     | 24.81 |
| 3-Nitrotoluene             | 26.43 | 26.18     | 26.68 |
| PETN                       | 28.81 | 28.56     | 29.06 |
| 3,4-Dinitrotoluene         | 16.75 | 16.50     | 17.00 |



TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000067.D  
 Lims ID: CCV 05 Client ID:  
 Inject. Date: 21-Dec-2012 12:41:57 Dil. Factor: 1.0000  
 Sample Type: CCVRT  
 Sample ID: 320-0001888-067  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 5  
 Lims Batch ID: 7620 Lims Sample ID: 67  
 Sublist: chrom-8330\_LC10\*sub1  
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330\_LC10.m  
 Last Update: 26-Dec-2012 08:27:30 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:27:30

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

|                               |        |        |     |       |       |  |
|-------------------------------|--------|--------|-----|-------|-------|--|
| 11 HMX                        |        |        |     |       |       |  |
| 1                             | 5.220  | 5.220  | 0.0 | 12914 | 102.7 |  |
| 19 RDX                        |        |        |     |       |       |  |
| 1                             | 7.507  | 7.507  | 0.0 | 8816  | 99.1  |  |
| 3 Ethylene glycol dinitrate   |        |        |     |       |       |  |
| 2                             | 8.207  | 8.207  | 0.0 | 10314 | 106.5 |  |
| 10 2,4,6-Trinitrophenol       |        |        |     |       |       |  |
| 2                             | 8.620  | 8.620  | 0.0 | 24659 | 200.2 |  |
| 1                             | 8.623  | 8.623  | 0.0 | 17166 | 207.6 |  |
| 27 1,3,5-Trinitrobenzene      |        |        |     |       |       |  |
| 1                             | 9.857  | 9.857  | 0.0 | 16383 | 100.7 |  |
| 24 1,3-Dinitrobenzene         |        |        |     |       |       |  |
| 1                             | 12.483 | 12.483 | 0.0 | 16466 | 101.9 |  |
| 9 3,5-Dinitroaniline          |        |        |     |       |       |  |
| 1                             | 13.223 | 13.223 | 0.0 | 10481 | 100.9 |  |
| 20 Tetryl                     |        |        |     |       |       |  |
| 1                             | 13.650 | 13.650 | 0.0 | 9291  | 107.3 |  |
| 5 Nitrobenzene                |        |        |     |       |       |  |
| 1                             | 14.223 | 14.223 | 0.0 | 7218  | 97.9  |  |
| 7 Nitroglycerin               |        |        |     |       |       |  |
| 2                             | 14.887 | 14.887 | 0.0 | 6661  | 102.7 |  |
| 25 2,4,6-Trinitrotoluene      |        |        |     |       |       |  |
| 1                             | 15.757 | 15.757 | 0.0 | 9895  | 106.6 |  |
| 26 4-Amino-2,6-dinitrotoluene |        |        |     |       |       |  |
| 1                             | 16.297 | 16.297 | 0.0 | 7559  | 99.8  |  |
| \$ 30 3,4-Dinitrotoluene      |        |        |     |       |       |  |
| 1                             | 16.747 | 16.747 | 0.0 | 5323  | 94.5  |  |
| 2                             | 16.780 | 16.780 | 0.0 | 10174 | 98.5  |  |

| Det                          | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 6 2-Amino-4,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                            | 17.273 | 17.273    | 0.0       | 8295     | 99.2                |       |
| 12 2,6-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 18.880 | 18.880    | 0.0       | 5873     | 98.6                |       |
| 23 2,4-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.523 | 19.523    | 0.0       | 9638     | 100.4               |       |
| 16 o-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 22.893 | 22.893    | 0.0       | 4234     | 95.0                |       |
| 15 p-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 24.563 | 24.563    | 0.0       | 5098     | 95.4                |       |
| 8 m-Nitrotoluene             |        |           |           |          |                     |       |
| 1                            | 26.430 | 26.430    | 0.0       | 5097     | 94.5                |       |
| 21 PETN                      |        |           |           |          |                     |       |
| 2                            | 28.807 | 28.807    | 0.0       | 3894     | 106.0               |       |

Report Date: 26-Dec-2012 08:27:31

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000067.D

Injection Date: 21-Dec-2012 12:41:57

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 67

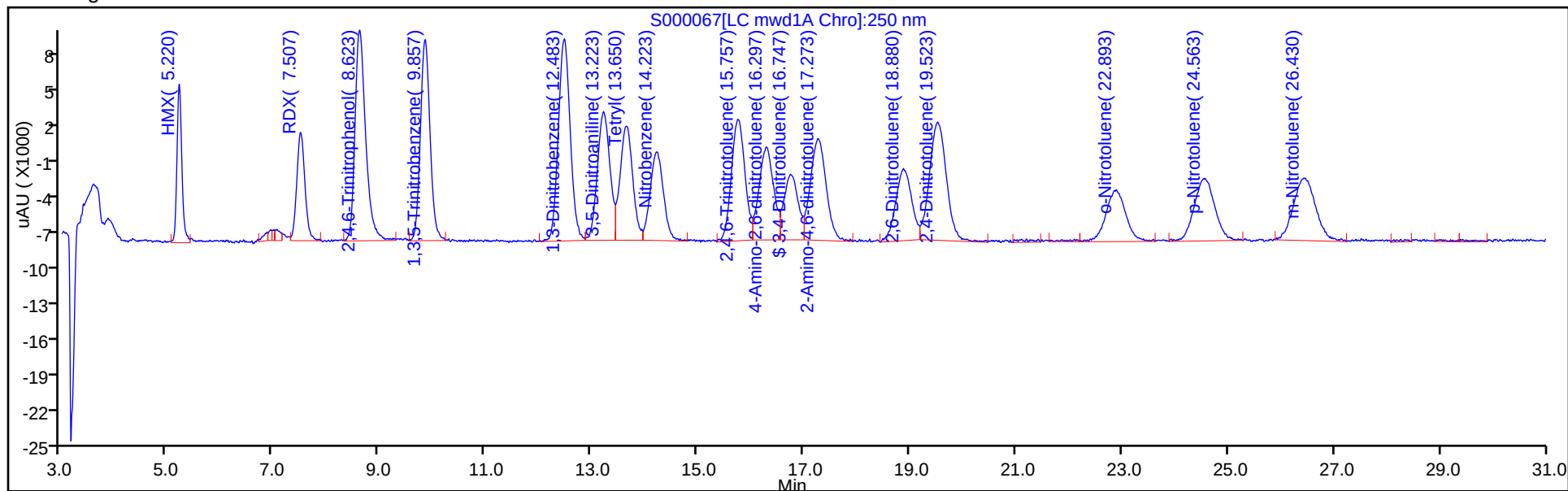
Operator ID: RN

Injection Vol: 500.0 ul

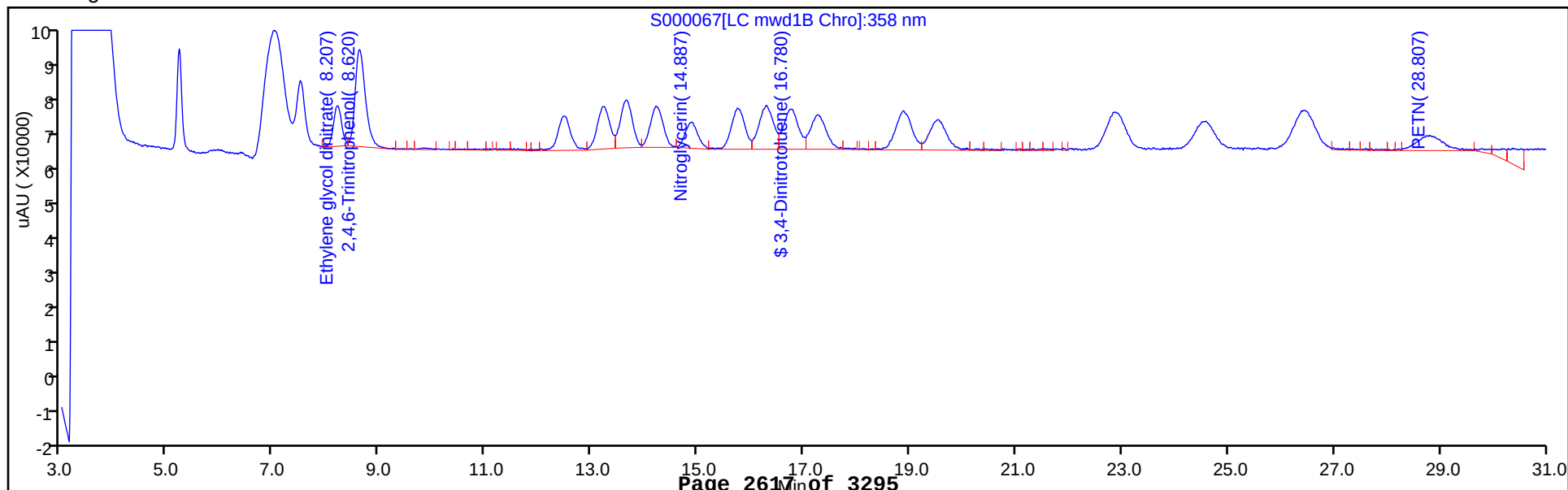
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 320-7620/73 Calibration Date: 12/21/2012 16:42  
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
 Lab File ID: S000073.D Conc. Units: ng/mL

| ANALYTE                    | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D   | MAX<br>%D |
|----------------------------|---------------|--------|-------|--------|----------------|-----------------|------|-----------|
| HMX                        | Ave           | 125.8  | 127.2 |        | 101            | 100             | 1.1  | 20.0      |
| RDX                        | Ave           | 88.99  | 87.69 |        | 98.5           | 100             | -1.5 | 20.0      |
| Ethylene glycol dinitrate  | Ave           | 96.86  | 103.7 |        | 107            | 100             | 7.0  | 20.0      |
| 1,3,5-Trinitrobenzene      | Ave           | 162.7  | 162.5 |        | 99.9           | 100             | -0.1 | 20.0      |
| 1,3-Dinitrobenzene         | Ave           | 161.7  | 162.9 |        | 101            | 100             | 0.8  | 20.0      |
| 3,5-Dinitroaniline         | Ave           | 103.9  | 104.1 |        | 100            | 100             | 0.2  | 20.0      |
| Tetryl                     | Ave           | 86.55  | 92.94 |        | 107            | 100             | 7.4  | 20.0      |
| Nitrobenzene               | Ave           | 73.74  | 74.35 |        | 101            | 100             | 0.8  | 20.0      |
| Nitroglycerin              | Ave           | 64.89  | 66.92 |        | 103            | 100             | 3.1  | 20.0      |
| 2,4,6-Trinitrotoluene      | Ave           | 92.79  | 96.91 |        | 104            | 100             | 4.4  | 20.0      |
| 4-Amino-2,6-dinitrotoluene | Ave           | 75.73  | 73.77 |        | 97.4           | 100             | -2.6 | 20.0      |
| 2-Amino-4,6-dinitrotoluene | Ave           | 83.59  | 82.31 |        | 98.5           | 100             | -1.5 | 20.0      |
| 2,6-Dinitrotoluene         | Ave           | 59.58  | 57.91 |        | 97.2           | 100             | -2.8 | 20.0      |
| 2,4-Dinitrotoluene         | Ave           | 95.97  | 95.64 |        | 99.7           | 100             | -0.3 | 20.0      |
| 2-Nitrotoluene             | Ave           | 44.56  | 42.48 |        | 95.3           | 100             | -4.7 | 20.0      |
| 4-Nitrotoluene             | Ave           | 53.43  | 51.48 |        | 96.4           | 100             | -3.6 | 20.0      |
| 3-Nitrotoluene             | Ave           | 53.94  | 52.05 |        | 96.5           | 100             | -3.5 | 20.0      |
| PETN                       | Ave           | 36.72  | 39.50 |        | 108            | 100             | 7.6  | 20.0      |
| 3,4-Dinitrotoluene         | Ave           | 56.32  | 54.04 |        | 96.0           | 100             | -4.0 | 20.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 320-7620/73 Calibration Date: 12/21/2012 16:42  
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
 Lab File ID: S000073.D

| Analyte                    | RT    | RT WINDOW |       |
|----------------------------|-------|-----------|-------|
|                            |       | FROM      | TO    |
| HMX                        | 5.23  | 4.98      | 5.48  |
| RDX                        | 7.52  | 7.27      | 7.77  |
| Ethylene glycol dinitrate  | 8.21  | 7.96      | 8.46  |
| 1,3,5-Trinitrobenzene      | 9.87  | 9.62      | 10.12 |
| 1,3-Dinitrobenzene         | 12.51 | 12.26     | 12.76 |
| 3,5-Dinitroaniline         | 13.27 | 13.02     | 13.52 |
| Tetryl                     | 13.69 | 13.44     | 13.94 |
| Nitrobenzene               | 14.26 | 14.01     | 14.51 |
| Nitroglycerin              | 14.91 | 14.66     | 15.16 |
| 2,4,6-Trinitrotoluene      | 15.79 | 15.54     | 16.04 |
| 4-Amino-2,6-dinitrotoluene | 16.34 | 16.09     | 16.59 |
| 2-Amino-4,6-dinitrotoluene | 17.31 | 17.06     | 17.56 |
| 2,6-Dinitrotoluene         | 18.93 | 18.68     | 19.18 |
| 2,4-Dinitrotoluene         | 19.57 | 19.32     | 19.82 |
| 2-Nitrotoluene             | 22.90 | 22.65     | 23.15 |
| 4-Nitrotoluene             | 24.58 | 24.33     | 24.83 |
| 3-Nitrotoluene             | 26.46 | 26.21     | 26.71 |
| PETN                       | 28.84 | 28.59     | 29.09 |
| 3,4-Dinitrotoluene         | 16.80 | 16.55     | 17.05 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D  
 Lims ID: CCV 05 Client ID:  
 Inject. Date: 21-Dec-2012 16:42:51 Dil. Factor: 1.0000  
 Sample Type: CCVRT  
 Sample ID: 320-0001888-073  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 6  
 Lims Batch ID: 7620 Lims Sample ID: 73  
 Sublist: chrom-8330\_LC10\*sub1  
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330\_LC10.m  
 Last Update: 26-Dec-2012 08:30:06 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:30:06

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

|                               |        |        |     |       |       |  |
|-------------------------------|--------|--------|-----|-------|-------|--|
| 11 HMX                        |        |        |     |       |       |  |
| 1                             | 5.226  | 5.226  | 0.0 | 12724 | 101.1 |  |
| 19 RDX                        |        |        |     |       |       |  |
| 1                             | 7.523  | 7.523  | 0.0 | 8769  | 98.5  |  |
| 3 Ethylene glycol dinitrate   |        |        |     |       |       |  |
| 2                             | 8.213  | 8.213  | 0.0 | 10366 | 107.0 |  |
| 10 2,4,6-Trinitrophenol       |        |        |     |       |       |  |
| 2                             | 8.643  | 8.643  | 0.0 | 24577 | 199.6 |  |
| 1                             | 8.639  | 8.639  | 0.0 | 17036 | 206.1 |  |
| 27 1,3,5-Trinitrobenzene      |        |        |     |       |       |  |
| 1                             | 9.869  | 9.869  | 0.0 | 16251 | 99.9  |  |
| 24 1,3-Dinitrobenzene         |        |        |     |       |       |  |
| 1                             | 12.506 | 12.506 | 0.0 | 16290 | 100.8 |  |
| 9 3,5-Dinitroaniline          |        |        |     |       |       |  |
| 1                             | 13.270 | 13.270 | 0.0 | 10410 | 100.2 |  |
| 20 Tetryl                     |        |        |     |       |       |  |
| 1                             | 13.690 | 13.690 | 0.0 | 9294  | 107.4 |  |
| 5 Nitrobenzene                |        |        |     |       |       |  |
| 1                             | 14.256 | 14.256 | 0.0 | 7435  | 100.8 |  |
| 7 Nitroglycerin               |        |        |     |       |       |  |
| 2                             | 14.913 | 14.913 | 0.0 | 6692  | 103.1 |  |
| 25 2,4,6-Trinitrotoluene      |        |        |     |       |       |  |
| 1                             | 15.790 | 15.790 | 0.0 | 9691  | 104.4 |  |
| 26 4-Amino-2,6-dinitrotoluene |        |        |     |       |       |  |
| 1                             | 16.343 | 16.343 | 0.0 | 7377  | 97.4  |  |
| \$ 30 3,4-Dinitrotoluene      |        |        |     |       |       |  |
| 1                             | 16.796 | 16.796 | 0.0 | 5404  | 96.0  |  |
| 2                             | 16.806 | 16.806 | 0.0 | 10108 | 97.8  |  |

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D

| Det                          | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 6 2-Amino-4,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                            | 17.306 | 17.306    | 0.0       | 8231     | 98.5                |       |
| 12 2,6-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 18.930 | 18.930    | 0.0       | 5791     | 97.2                |       |
| 23 2,4-Dinitrotoluene        |        |           |           |          |                     |       |
| 1                            | 19.570 | 19.570    | 0.0       | 9564     | 99.7                |       |
| 16 o-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 22.900 | 22.900    | 0.0       | 4248     | 95.3                |       |
| 15 p-Nitrotoluene            |        |           |           |          |                     |       |
| 1                            | 24.576 | 24.576    | 0.0       | 5148     | 96.4                |       |
| 8 m-Nitrotoluene             |        |           |           |          |                     |       |
| 1                            | 26.463 | 26.463    | 0.0       | 5205     | 96.5                | M     |
| 21 PETN                      |        |           |           |          |                     |       |
| 2                            | 28.843 | 28.843    | 0.0       | 3950     | 107.6               |       |

## QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 08:30:07

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D

Injection Date: 21-Dec-2012 16:42:51

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 73

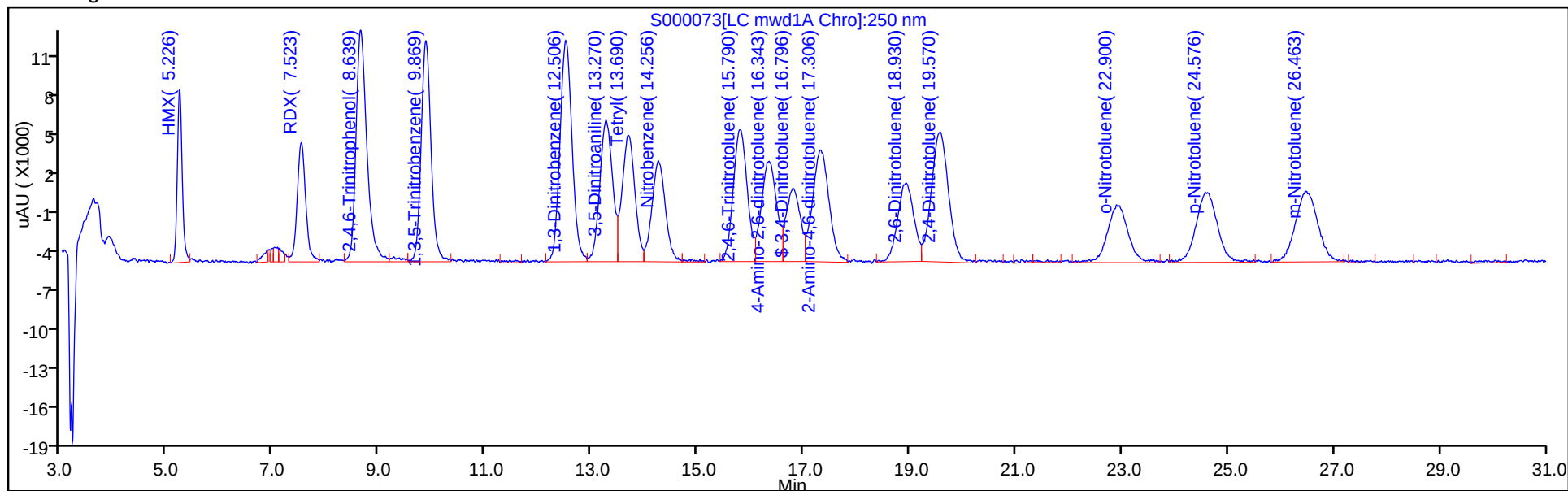
Operator ID: RN

Injection Vol: 500.0 ul

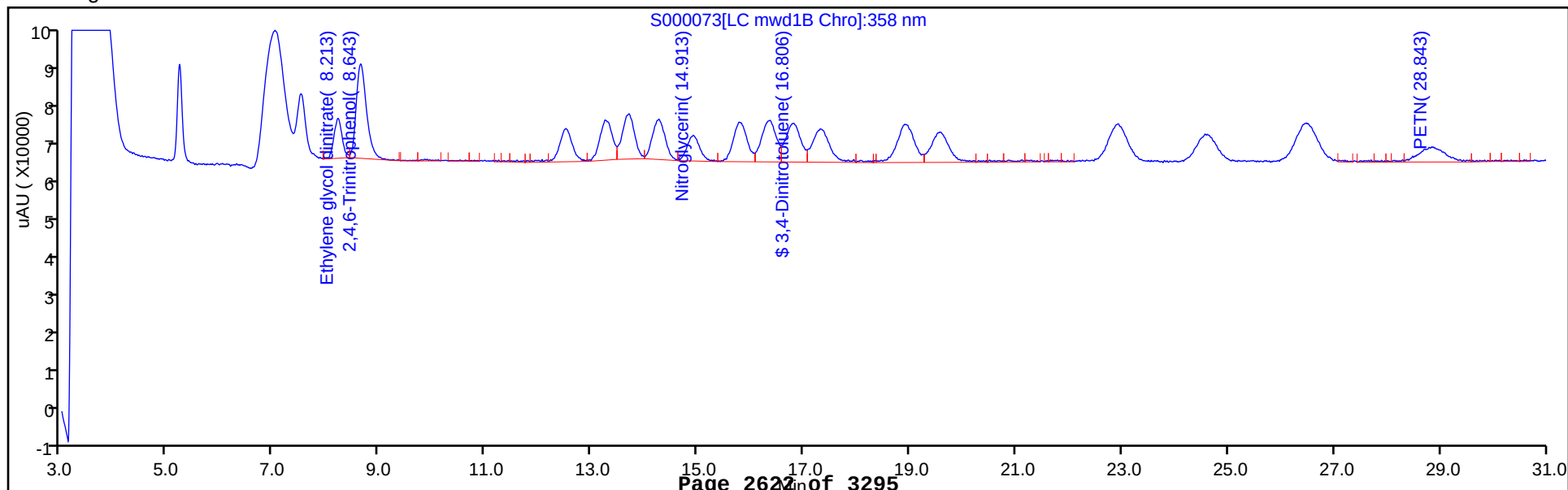
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:





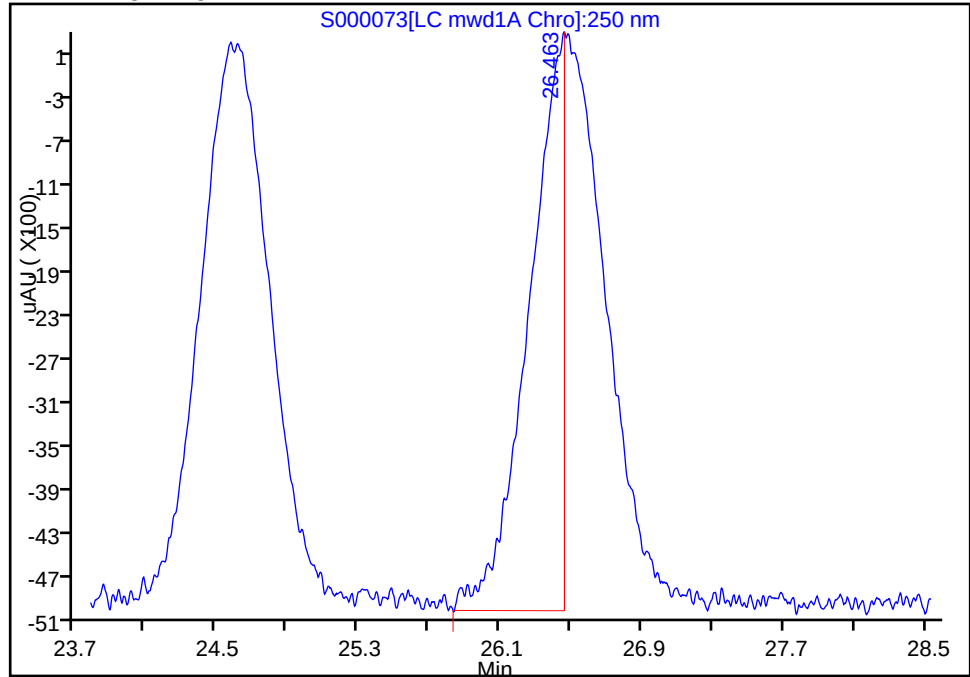
## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D  
Injection Date: 21-Dec-2012 16:42:51 Limit Group: LC 8330B ICAL  
Client ID: Instrument ID: LC10  
Lims Batch ID: 7620 Lims Sample ID: 73  
Operator ID: RN Injection Vol: 500.0 ul  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 26.46, Det: LC mwd1A

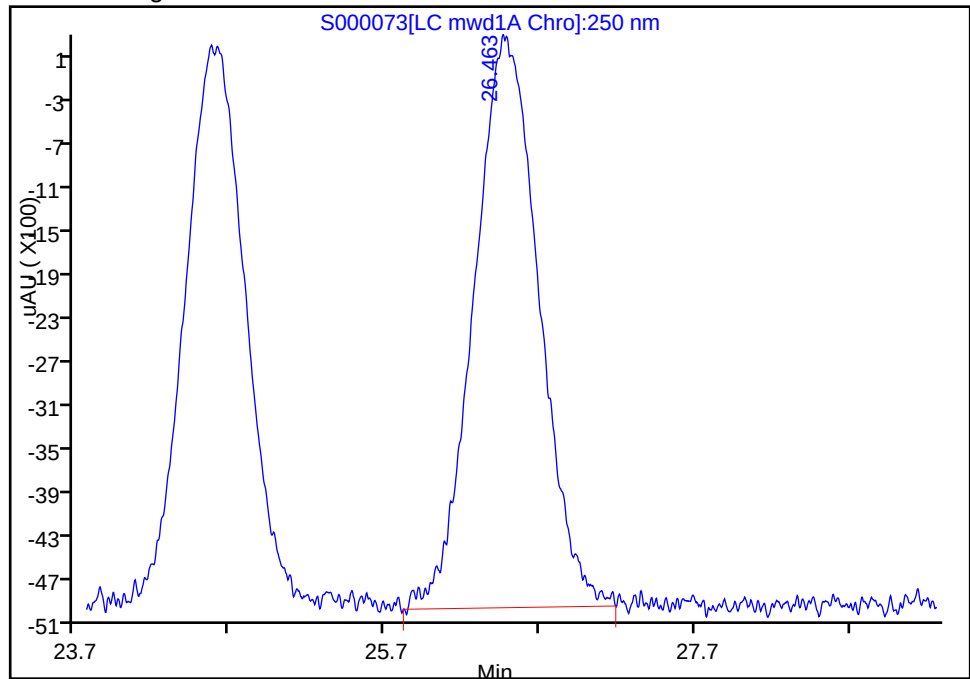
RT: 26.46  
Response: 5258  
Amount: 97.486813

## Processing Integration Results



RT: 26.46  
Response: 5205  
Amount: 96.504158

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:30:06  
Audit Action: Manually Integrated  
Audit Reason: Incomplete Integration

FORM VII  
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVL 320-7620/74 Calibration Date: 12/21/2012 17:23  
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
 Lab File ID: S000074.D Conc. Units: ng/mL

| ANALYTE                    | CURVE<br>TYPE | AVE CF | CF    | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|----------------------------|---------------|--------|-------|--------|----------------|-----------------|-------|-----------|
| HMX                        | Ave           | 125.8  | 151.0 |        | 6.00           | 5.00            | 20.0  | 30.0      |
| RDX                        | Ave           | 88.99  | 118.8 |        | 6.68           | 5.00            | 33.5* | 30.0      |
| 1,3,5-Trinitrobenzene      | Ave           | 162.7  | 190.8 |        | 5.86           | 5.00            | 17.3  | 30.0      |
| 1,3-Dinitrobenzene         | Ave           | 161.7  | 203.2 |        | 6.28           | 5.00            | 25.7  | 30.0      |
| 3,5-Dinitroaniline         | Ave           | 103.9  | 130.6 |        | 6.28           | 5.00            | 25.7  | 30.0      |
| Tetryl                     | Ave           | 86.55  | 117.8 |        | 6.81           | 5.00            | 36.1* | 30.0      |
| Nitrobenzene               | Ave           | 73.74  | 88.80 |        | 6.02           | 5.00            | 20.4  | 30.0      |
| Nitroglycerin              | Ave           | 64.89  | 83.00 |        | 25.6           | 20.0            | 27.9  | 30.0      |
| 2,4,6-Trinitrotoluene      | Ave           | 92.79  | 118.0 |        | 6.36           | 5.00            | 27.2  | 30.0      |
| 4-Amino-2,6-dinitrotoluene | Ave           | 75.73  | 100.6 |        | 6.64           | 5.00            | 32.8* | 30.0      |
| 2-Amino-4,6-dinitrotoluene | Ave           | 83.59  | 110.6 |        | 6.62           | 5.00            | 32.3* | 30.0      |
| 2,6-Dinitrotoluene         | Ave           | 59.58  | 85.20 |        | 7.15           | 5.00            | 43.0* | 30.0      |
| 2,4-Dinitrotoluene         | Ave           | 95.97  | 131.2 |        | 6.84           | 5.00            | 36.7* | 30.0      |
| 2-Nitrotoluene             | Ave           | 44.56  | 70.80 |        | 7.95           | 5.00            | 58.9* | 30.0      |
| 4-Nitrotoluene             | Ave           | 53.43  | 76.40 |        | 7.15           | 5.00            | 43.0* | 30.0      |
| 3-Nitrotoluene             | Ave           | 53.94  | 72.00 |        | 6.67           | 5.00            | 33.5* | 30.0      |
| PETN                       | Ave           | 36.72  | 51.45 |        | 28.0           | 20.0            | 40.1* | 30.0      |
| 3,4-Dinitrotoluene         | Ave           | 56.32  | 57.95 |        | 20.6           | 20.0            | 2.9   | 30.0      |

FORM VII  
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVL 320-7620/74 Calibration Date: 12/21/2012 17:23  
Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50  
GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31  
Lab File ID: S000074.D

| Analyte                    | RT    | RT WINDOW |       |
|----------------------------|-------|-----------|-------|
|                            |       | FROM      | TO    |
| HMX                        | 5.22  | 4.97      | 5.47  |
| RDX                        | 7.49  | 7.24      | 7.74  |
| 1,3,5-Trinitrobenzene      | 9.84  | 9.59      | 10.09 |
| 1,3-Dinitrobenzene         | 12.51 | 12.26     | 12.76 |
| 3,5-Dinitroaniline         | 13.25 | 13.00     | 13.50 |
| Tetryl                     | 13.67 | 13.42     | 13.92 |
| Nitrobenzene               | 14.23 | 13.98     | 14.48 |
| Nitroglycerin              | 14.88 | 14.63     | 15.13 |
| 2,4,6-Trinitrotoluene      | 15.76 | 15.51     | 16.01 |
| 4-Amino-2,6-dinitrotoluene | 16.22 | 15.97     | 16.47 |
| 2-Amino-4,6-dinitrotoluene | 17.28 | 17.03     | 17.53 |
| 2,6-Dinitrotoluene         | 18.93 | 18.68     | 19.18 |
| 2,4-Dinitrotoluene         | 19.54 | 19.29     | 19.79 |
| 2-Nitrotoluene             | 22.89 | 22.64     | 23.14 |
| 4-Nitrotoluene             | 24.63 | 24.38     | 24.88 |
| 3-Nitrotoluene             | 26.34 | 26.09     | 26.59 |
| PETN                       | 28.86 | 28.61     | 29.11 |
| 3,4-Dinitrotoluene         | 16.75 | 16.50     | 17.00 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D  
 Lims ID: CCVL Client ID:  
 Inject. Date: 21-Dec-2012 17:23:00 Dil. Factor: 1.0000  
 Sample Type: CCVL  
 Sample ID: 320-0001888-074  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 10  
 Lims Batch ID: 7620 Lims Sample ID: 74  
 Sublist: chrom-8330\_LC10\*sub2  
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330\_LC10.m  
 Last Update: 26-Dec-2012 08:51:03 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:51:03

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

|                               |        |        |     |      |      |   |
|-------------------------------|--------|--------|-----|------|------|---|
| 11 HMX                        |        |        |     |      |      |   |
| 1                             | 5.218  | 5.218  | 0.0 | 755  | 6.00 |   |
| 19 RDX                        |        |        |     |      |      |   |
| 1                             | 7.491  | 7.491  | 0.0 | 594  | 6.68 | M |
| 27 1,3,5-Trinitrobenzene      |        |        |     |      |      |   |
| 1                             | 9.838  | 9.838  | 0.0 | 954  | 5.86 | M |
| 24 1,3-Dinitrobenzene         |        |        |     |      |      |   |
| 1                             | 12.508 | 12.508 | 0.0 | 1016 | 6.28 | M |
| 9 3,5-Dinitroaniline          |        |        |     |      |      |   |
| 1                             | 13.254 | 13.254 | 0.0 | 653  | 6.28 | M |
| 20 Tetryl                     |        |        |     |      |      |   |
| 1                             | 13.671 | 13.671 | 0.0 | 589  | 6.81 | M |
| 5 Nitrobenzene                |        |        |     |      |      |   |
| 1                             | 14.234 | 14.234 | 0.0 | 444  | 6.02 | M |
| 7 Nitroglycerin               |        |        |     |      |      |   |
| 2                             | 14.884 | 14.884 | 0.0 | 1660 | 25.6 |   |
| 25 2,4,6-Trinitrotoluene      |        |        |     |      |      |   |
| 1                             | 15.761 | 15.761 | 0.0 | 590  | 6.36 | M |
| 26 4-Amino-2,6-dinitrotoluene |        |        |     |      |      |   |
| 1                             | 16.221 | 16.221 | 0.0 | 503  | 6.64 | M |
| \$ 30 3,4-Dinitrotoluene      |        |        |     |      |      |   |
| 1                             | 16.754 | 16.754 | 0.0 | 1159 | 20.6 | M |
| 2                             | 16.754 | 16.754 | 0.0 | 2211 | 21.4 |   |
| 6 2-Amino-4,6-dinitrotoluene  |        |        |     |      |      |   |
| 1                             | 17.284 | 17.284 | 0.0 | 553  | 6.62 | M |
| 12 2,6-Dinitrotoluene         |        |        |     |      |      |   |
| 1                             | 18.934 | 18.934 | 0.0 | 426  | 7.15 | M |

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

| Det | RT                 | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|--------------------|-----------|-----------|----------|---------------------|-------|
| 23  | 2,4-Dinitrotoluene |           |           |          |                     | M     |
| 1   | 19.544             | 19.544    | 0.0       | 656      | 6.84                | M     |
| 16  | o-Nitrotoluene     |           |           |          |                     | M     |
| 1   | 22.891             | 22.891    | 0.0       | 354      | 7.95                | M     |
| 15  | p-Nitrotoluene     |           |           |          |                     | M     |
| 1   | 24.631             | 24.631    | 0.0       | 382      | 7.15                | M     |
| 8   | m-Nitrotoluene     |           |           |          |                     | M     |
| 1   | 26.344             | 26.344    | 0.0       | 360      | 6.67                | M     |
| 21  | PETN               |           |           |          |                     | M     |
| 2   | 28.861             | 28.861    | 0.0       | 1029     | 28.0                | M     |

## QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 08:51:04

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\IS000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

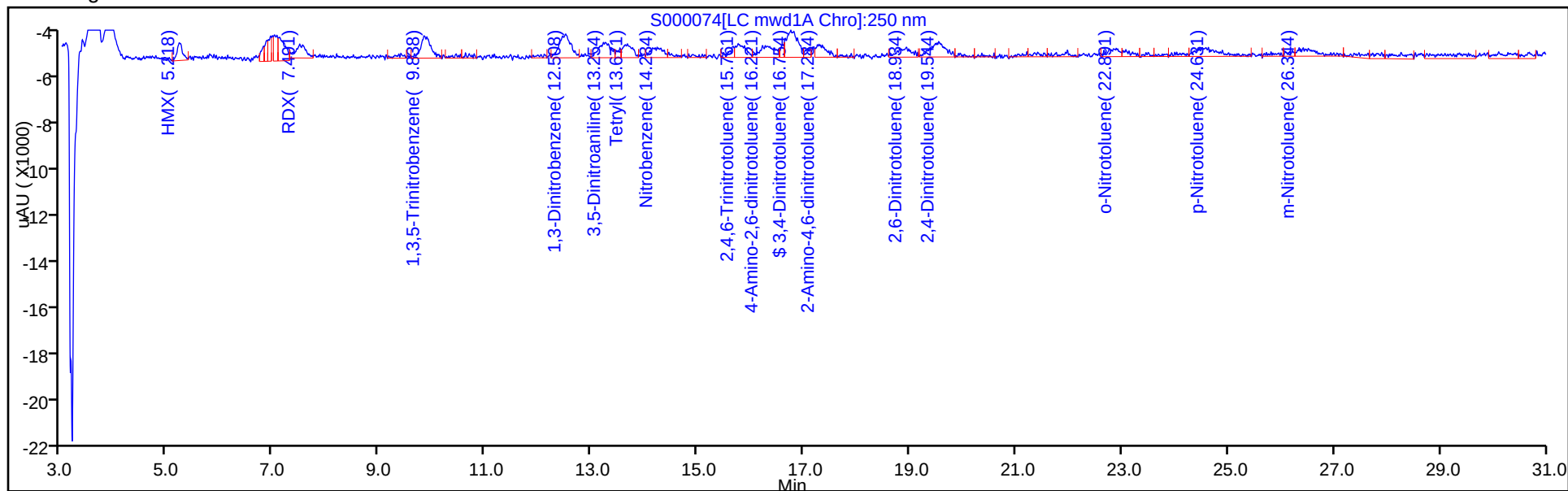
Operator ID: RN

Injection Vol: 500.0 ul

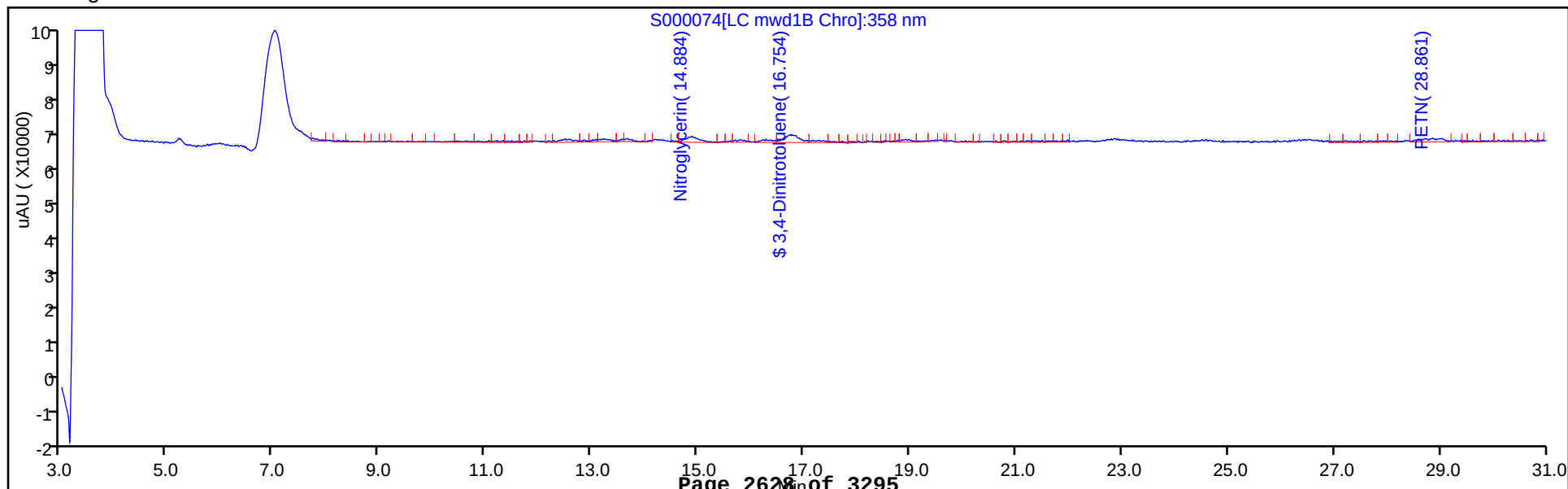
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

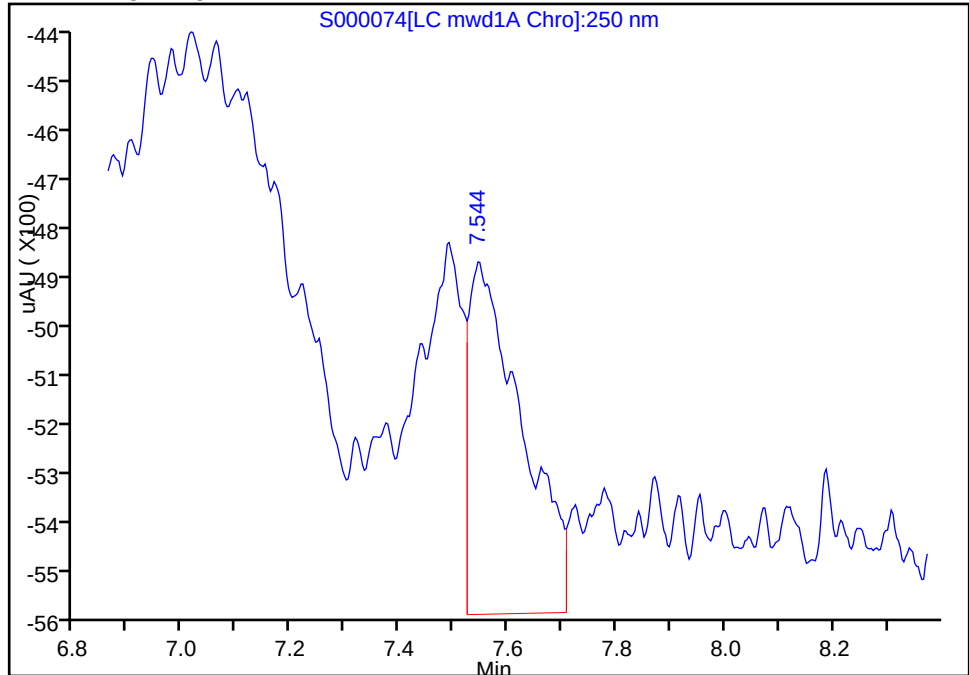
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

19 RDX, Signal: 1, Type: quant, RT: 7.49, Det: LC mwd1A

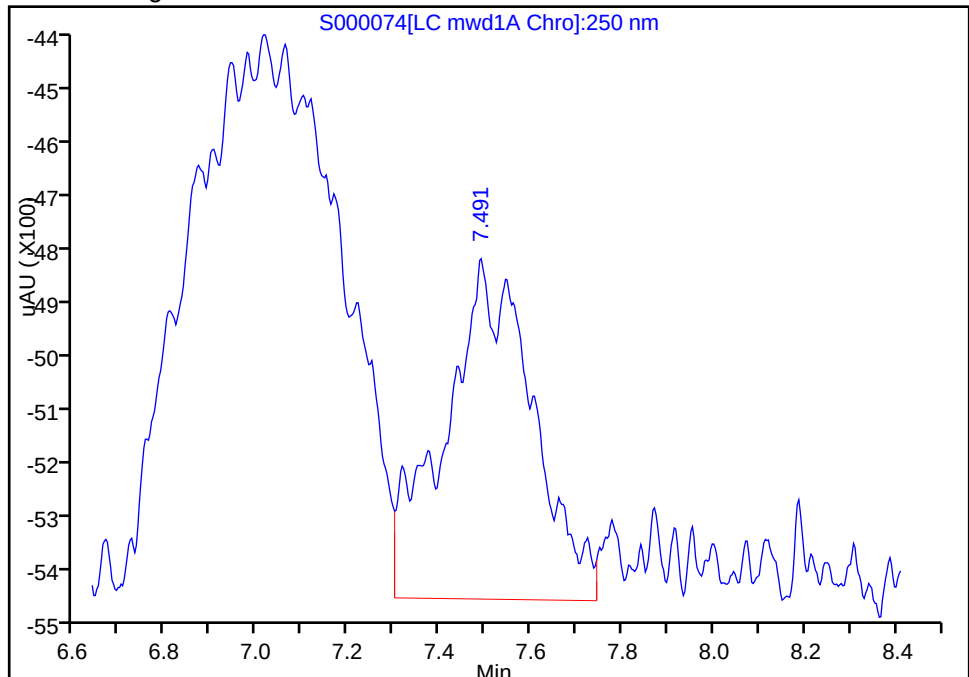
RT: 7.54  
Response: 654  
Amount: 7.349429

## Processing Integration Results



RT: 7.49  
Response: 594  
Amount: 6.675170

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

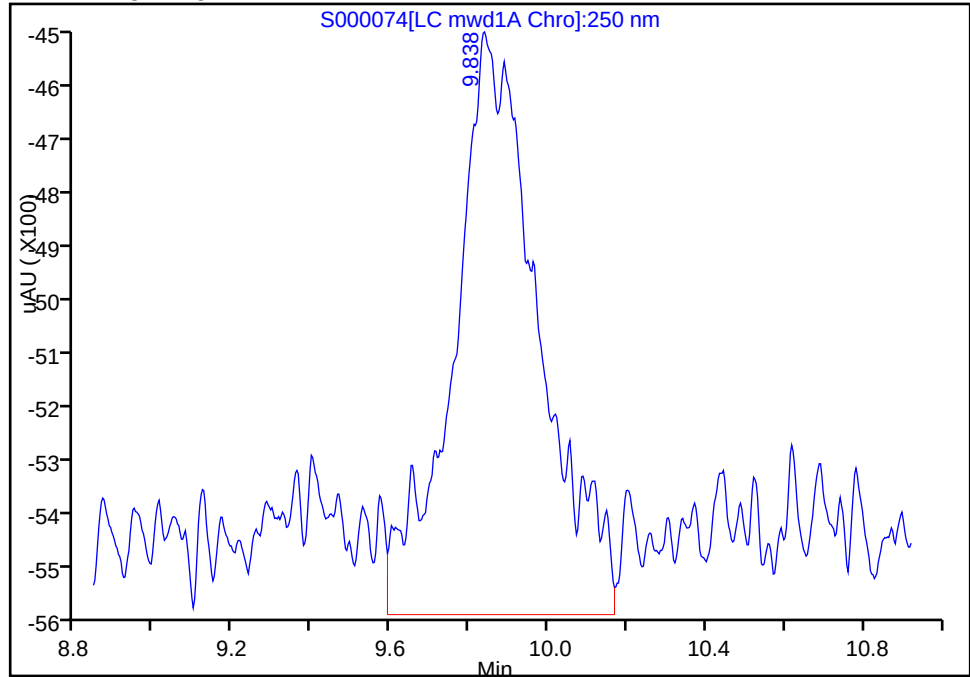
## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D  
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL  
Client ID: Instrument ID: LC10  
Lims Batch ID: 7620 Lims Sample ID: 74  
Operator ID: RN Injection Vol: 500.0 ul  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

27 1,3,5-Trinitrobenzene, Signal: 1, Type: quant, RT: 9.84, Det: LC mwd1A

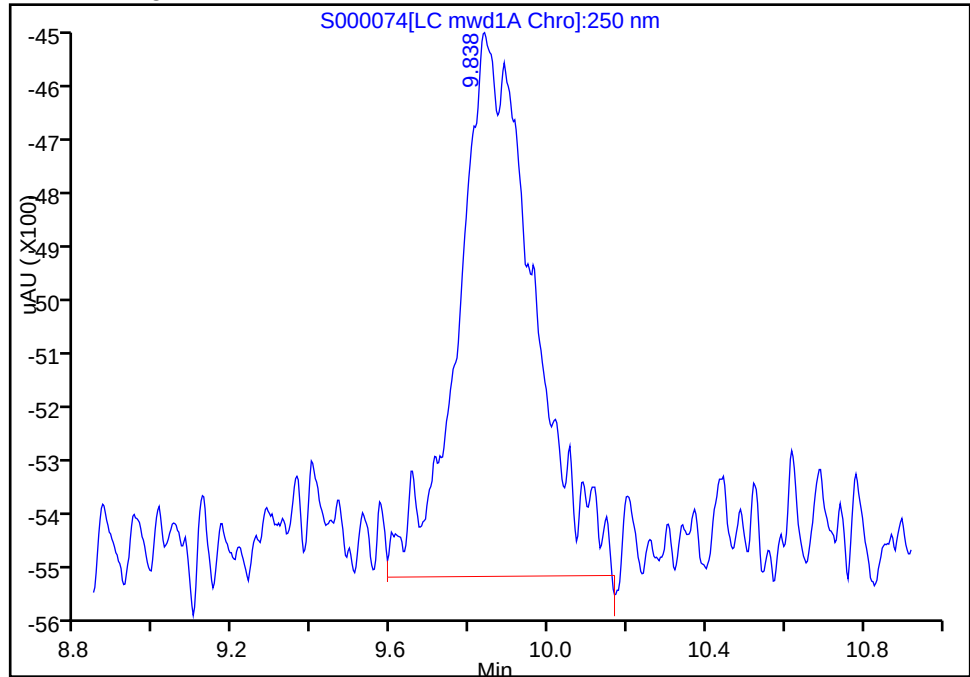
RT: 9.84  
Response: 1035  
Amount: 6.362477

## Processing Integration Results



RT: 9.84  
Response: 954  
Amount: 5.864544

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03  
Audit Action: Assigned New Baseline  
Audit Reason: Baseline



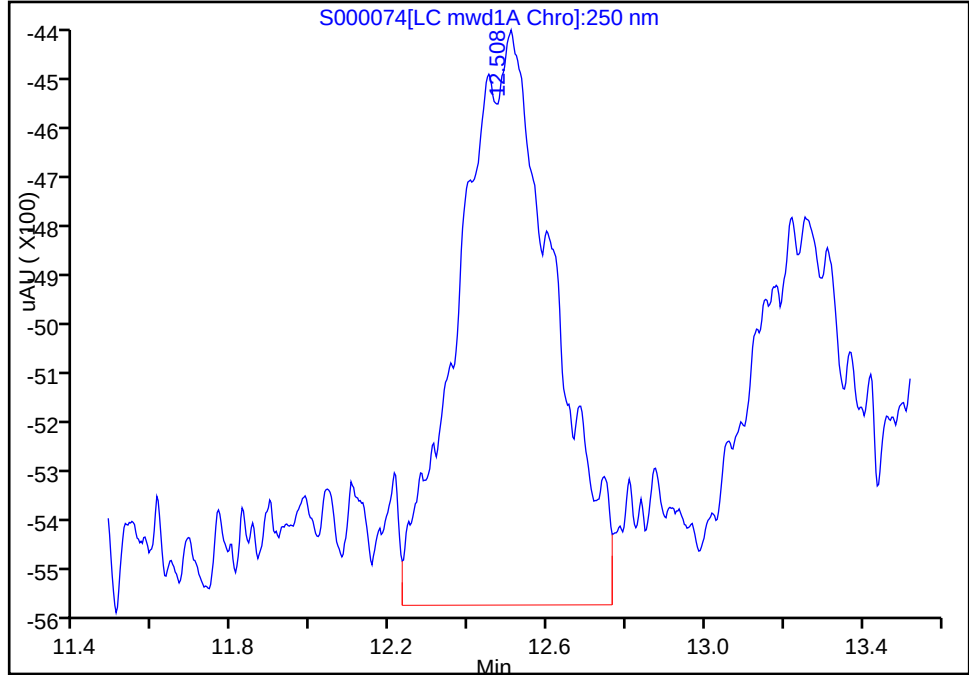
## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D  
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL  
Client ID: Instrument ID: LC10  
Lims Batch ID: 7620 Lims Sample ID: 74  
Operator ID: RN Injection Vol: 500.0 ul  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

24 1,3-Dinitrobenzene, Signal: 1, Type: quant, RT: 12.51, Det: LC mwd1A

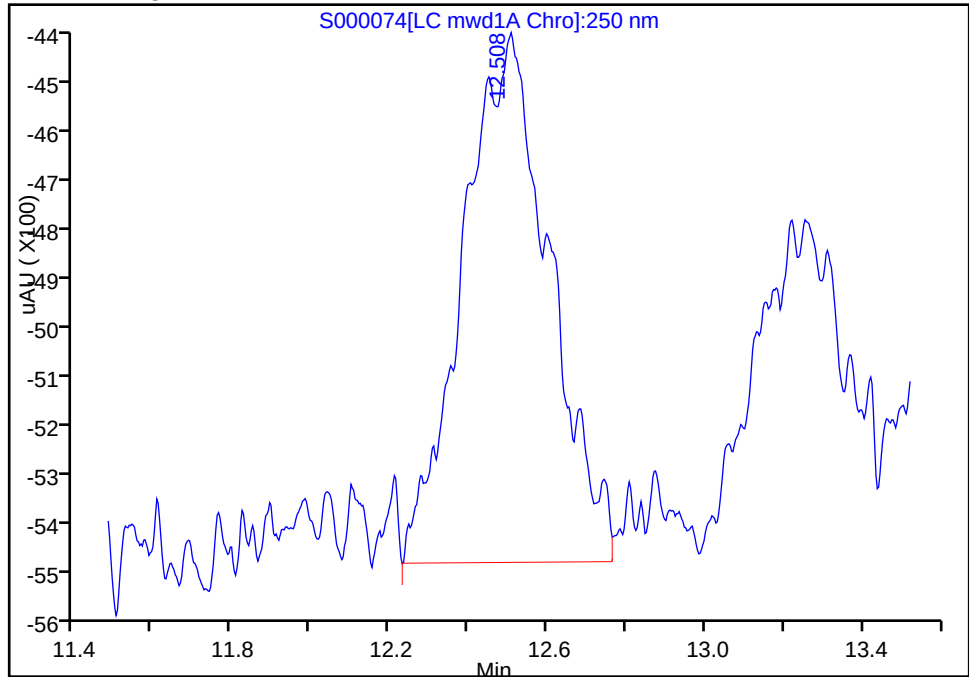
RT: 12.51  
Response: 1103  
Amount: 6.822592

## Processing Integration Results



RT: 12.51  
Response: 1016  
Amount: 6.284455

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03  
Audit Action: Assigned New Baseline  
Audit Reason: Baseline

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

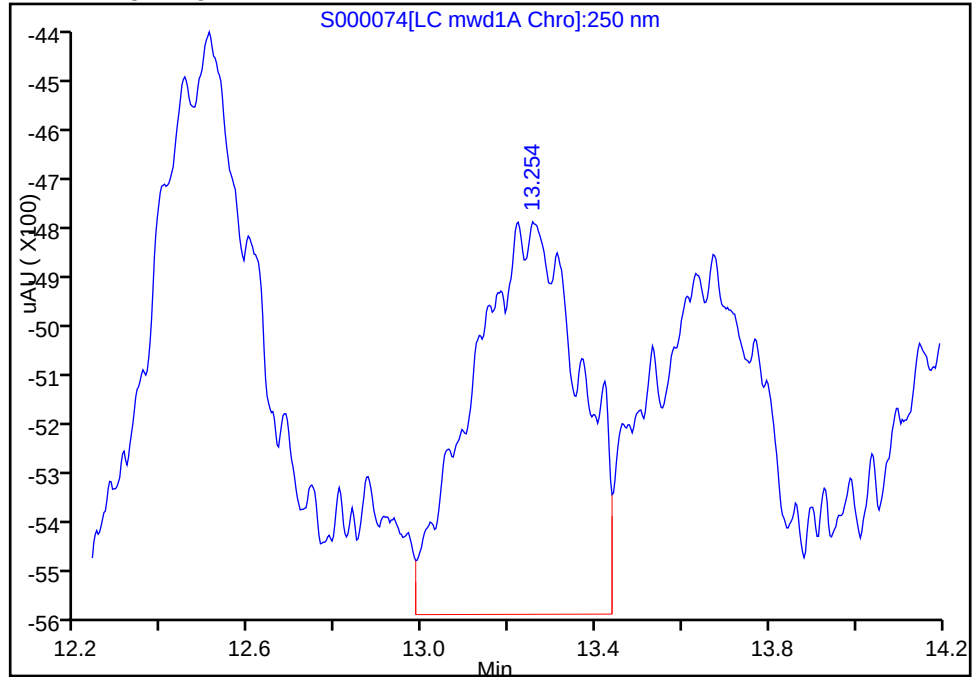
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

9 3,5-Dinitroaniline, Signal: 1, Type: quant, RT: 13.25, Det: LC mwd1A

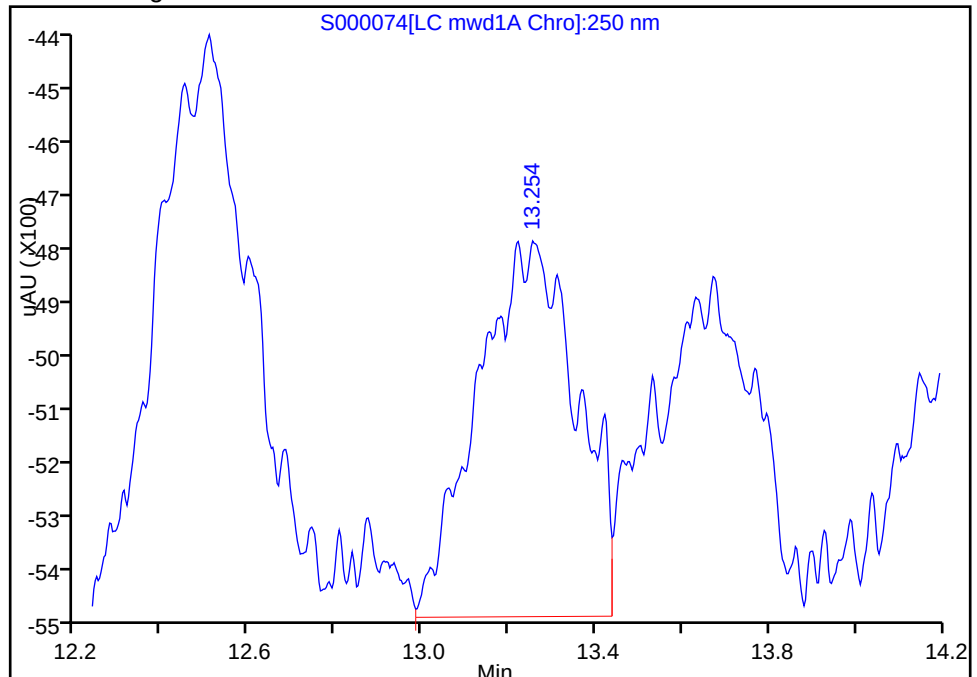
RT: 13.25  
Response: 742  
Amount: 7.140718

## Processing Integration Results



RT: 13.25  
Response: 653  
Amount: 6.284216

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

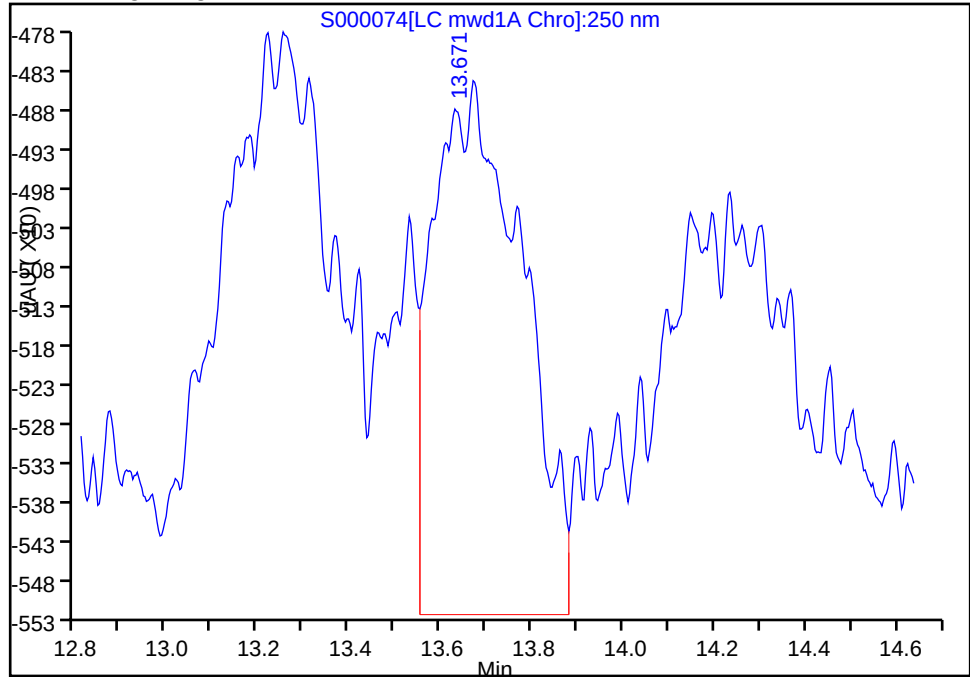
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

20 Tetryl, Signal: 1, Type: quant, RT: 13.67, Det: LC mwd1A

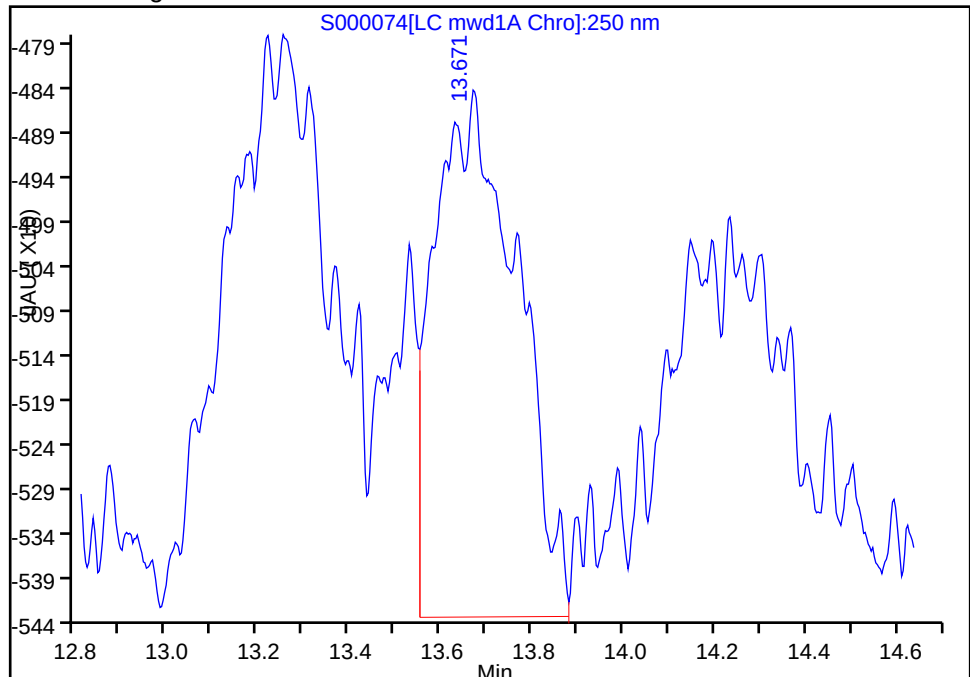
RT: 13.67  
Response: 679  
Amount: 7.845097

## Processing Integration Results



RT: 13.67  
Response: 589  
Amount: 6.805246

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

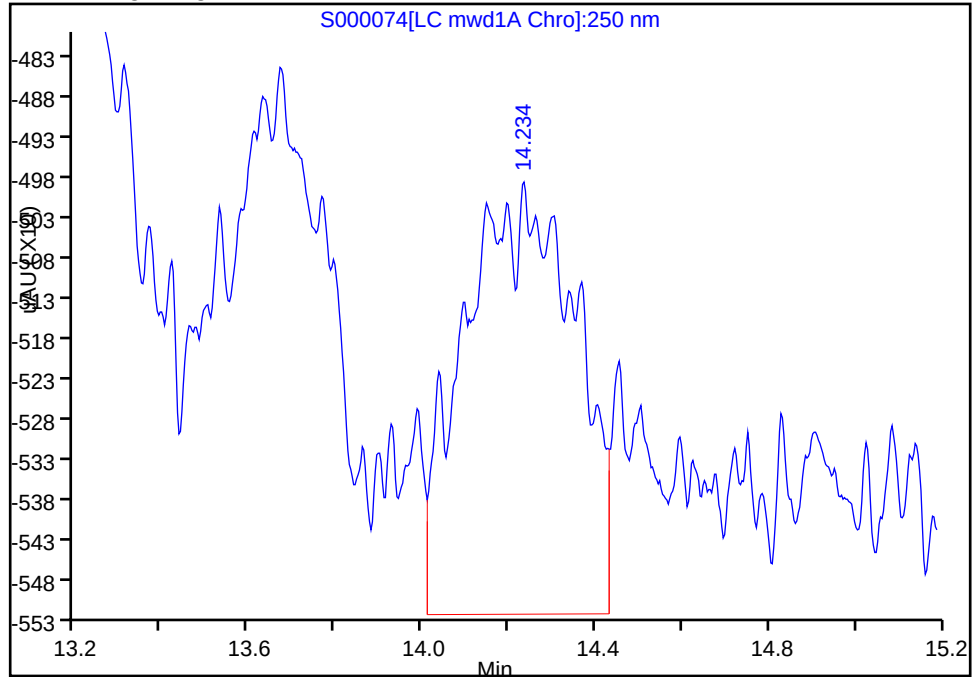
## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D  
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL  
Client ID: Instrument ID: LC10  
Lims Batch ID: 7620 Lims Sample ID: 74  
Operator ID: RN Injection Vol: 500.0 ul  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

5 Nitrobenzene, Signal: 1, Type: quant, RT: 14.23, Det: LC mwd1A

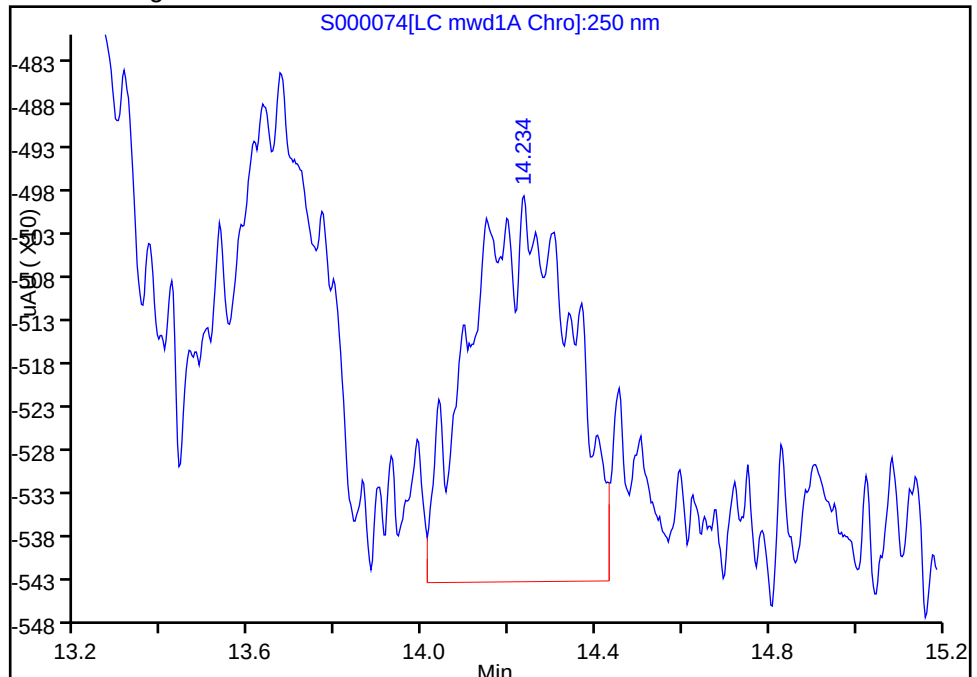
RT: 14.23  
Response: 535  
Amount: 7.255258

## Processing Integration Results



RT: 14.23  
Response: 444  
Amount: 6.021186

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03  
Audit Action: Assigned New Baseline  
Audit Reason: Baseline

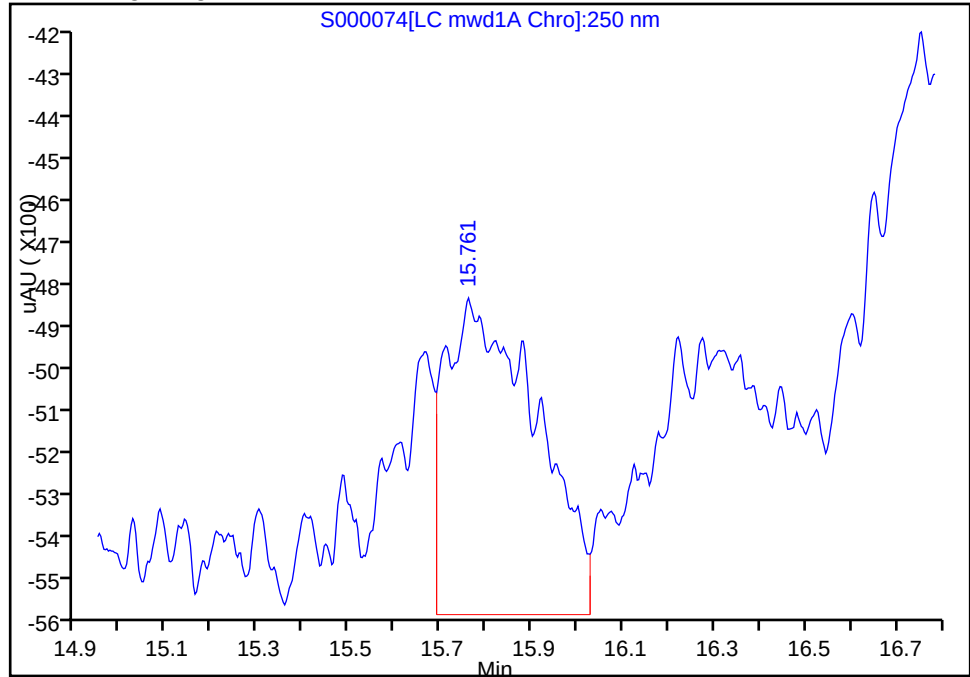
## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D  
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL  
Client ID: Instrument ID: LC10  
Lims Batch ID: 7620 Lims Sample ID: 74  
Operator ID: RN Injection Vol: 500.0 ul  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

25 2,4,6-Trinitrotoluene, Signal: 1, Type: quant, RT: 15.76, Det: LC mwd1A

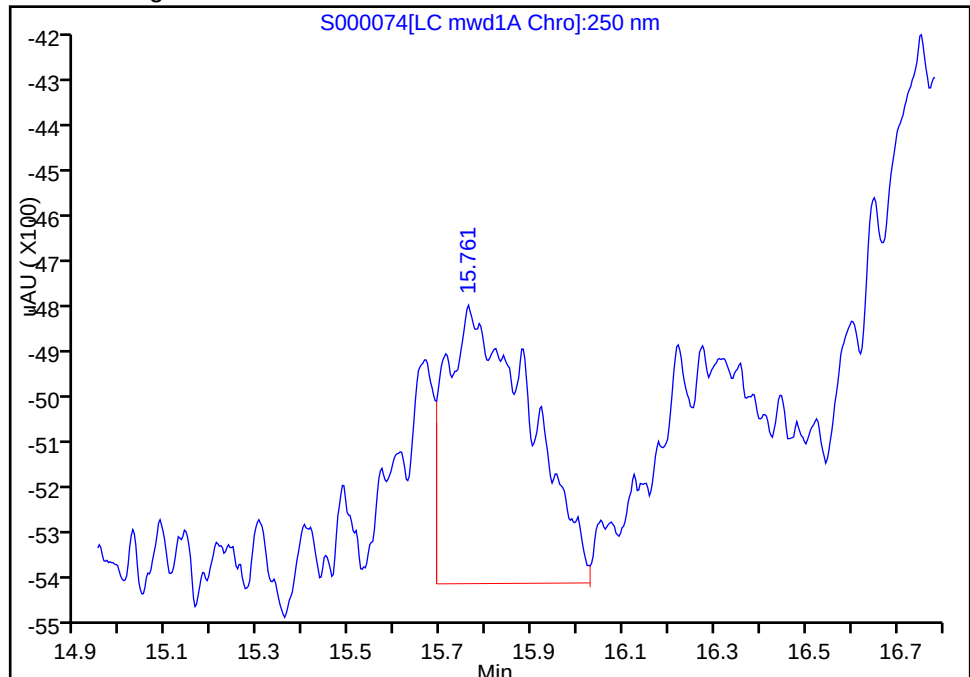
RT: 15.76  
Response: 683  
Amount: 7.360796

## Processing Integration Results



RT: 15.76  
Response: 590  
Amount: 6.358521

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03  
Audit Action: Assigned New Baseline  
Audit Reason: Baseline

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

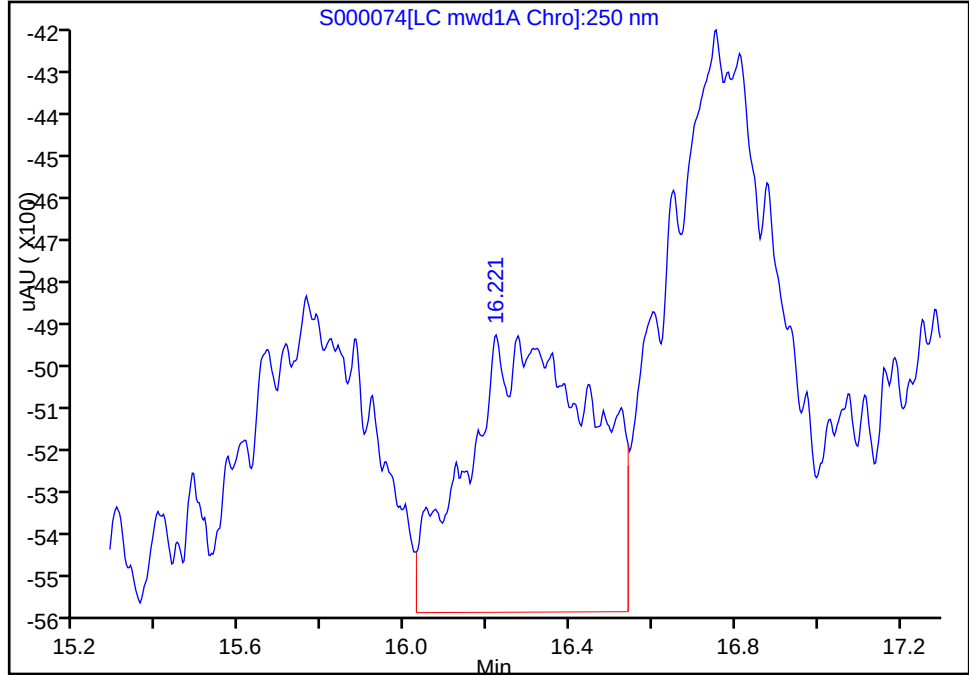
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.22, Det: LC mwd1A

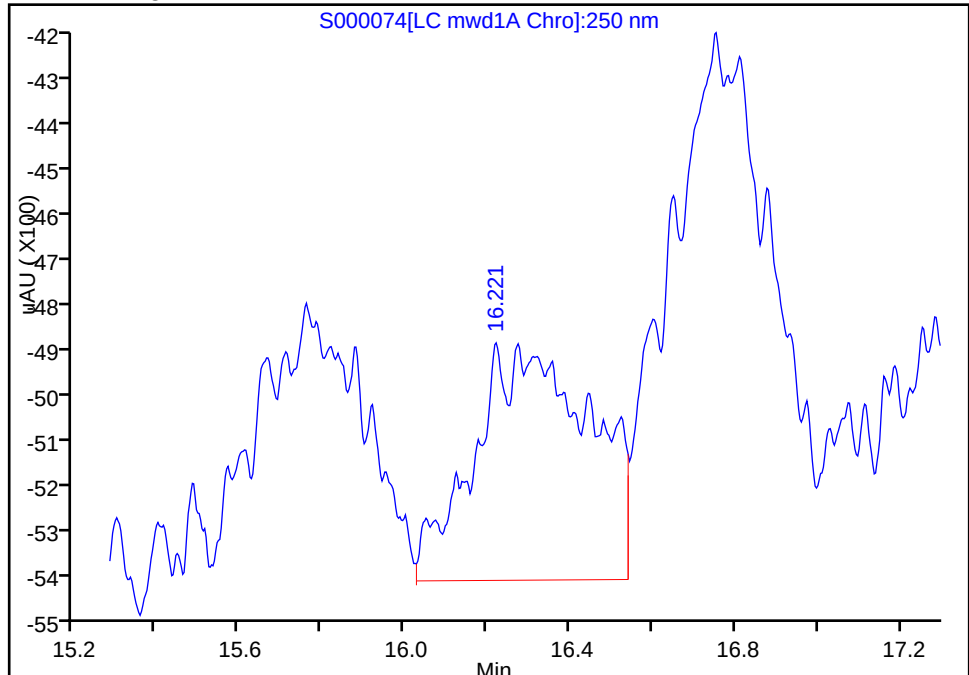
RT: 16.22  
Response: 598  
Amount: 7.896396

## Processing Integration Results



RT: 16.22  
Response: 503  
Amount: 6.641952

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

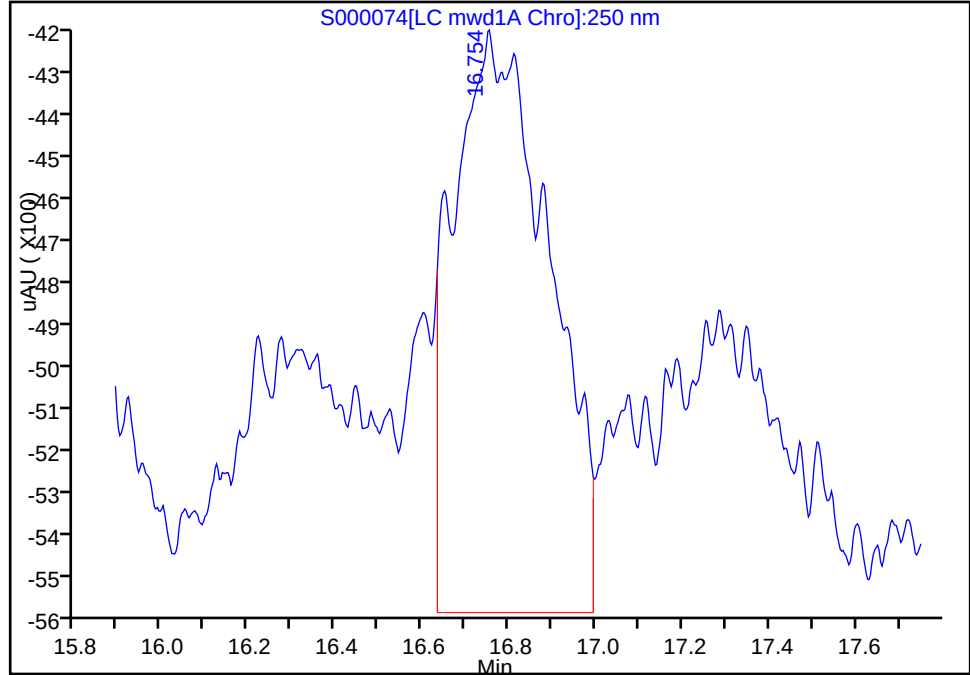
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 16.75, Det: LC mwd1A

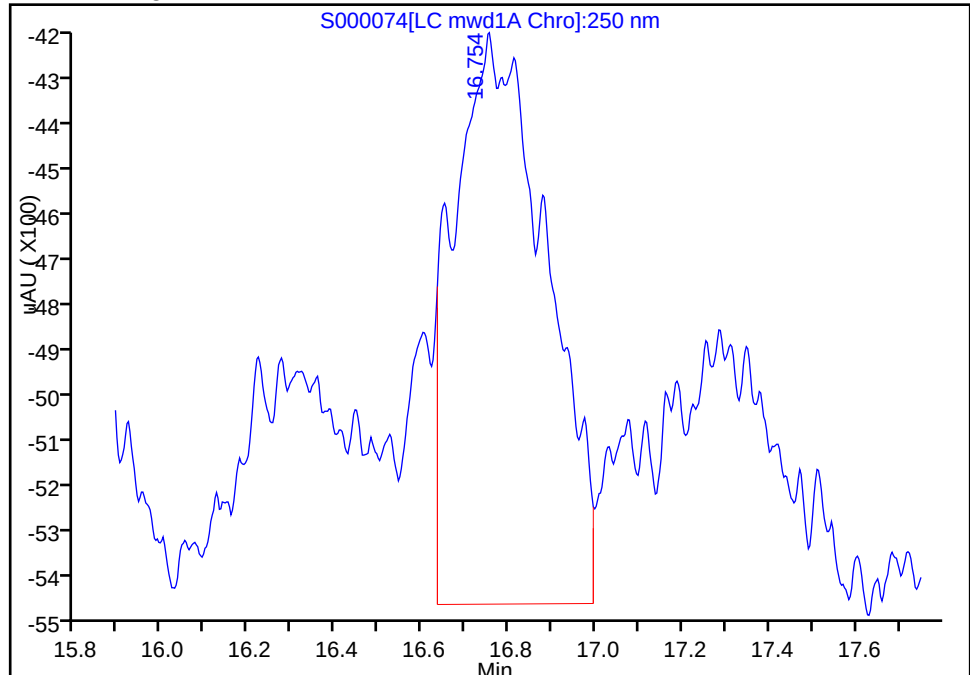
RT: 16.75  
Response: 1253  
Amount: 22.248989

## Processing Integration Results



RT: 16.75  
Response: 1159  
Amount: 20.579871

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

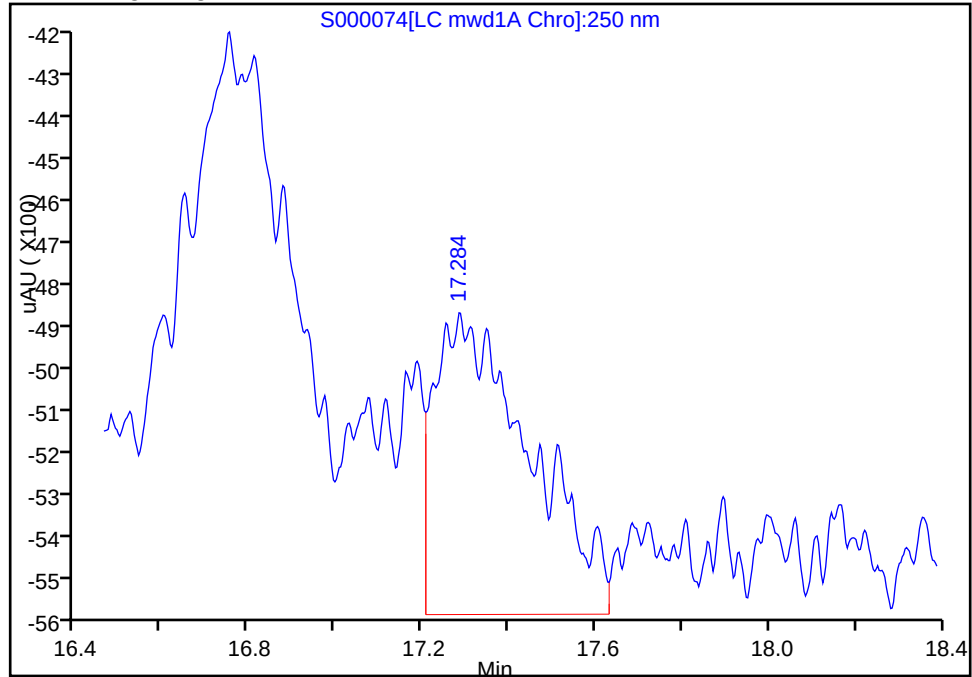
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 17.28, Det: LC mwd1A

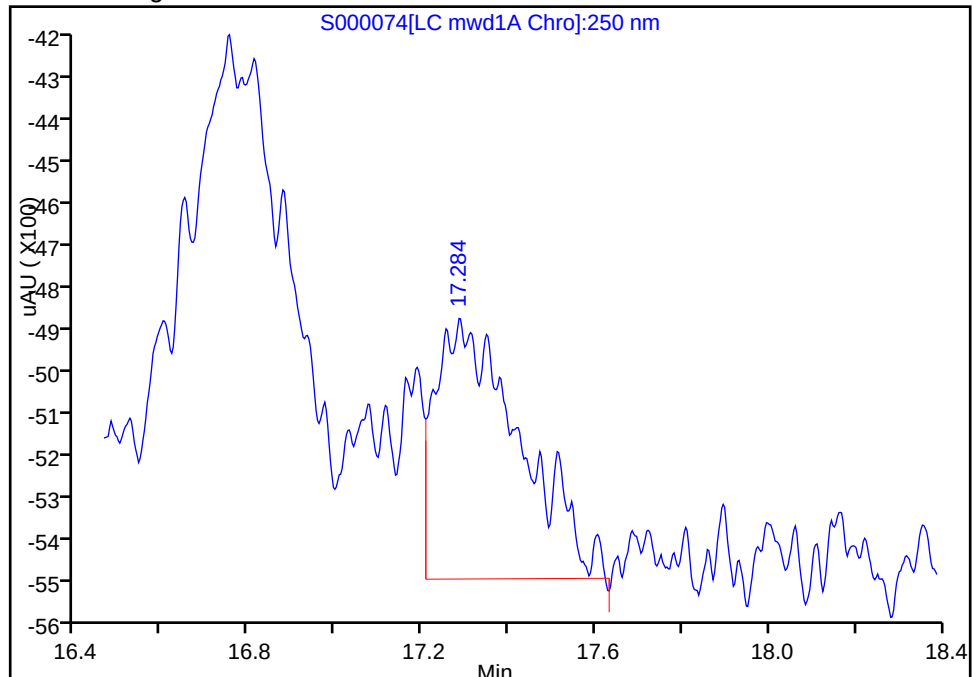
RT: 17.28  
Response: 647  
Amount: 7.740045

## Processing Integration Results



RT: 17.28  
Response: 553  
Amount: 6.615525

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03  
Audit Action: Assigned New Baseline  
Audit Reason: Baseline



## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

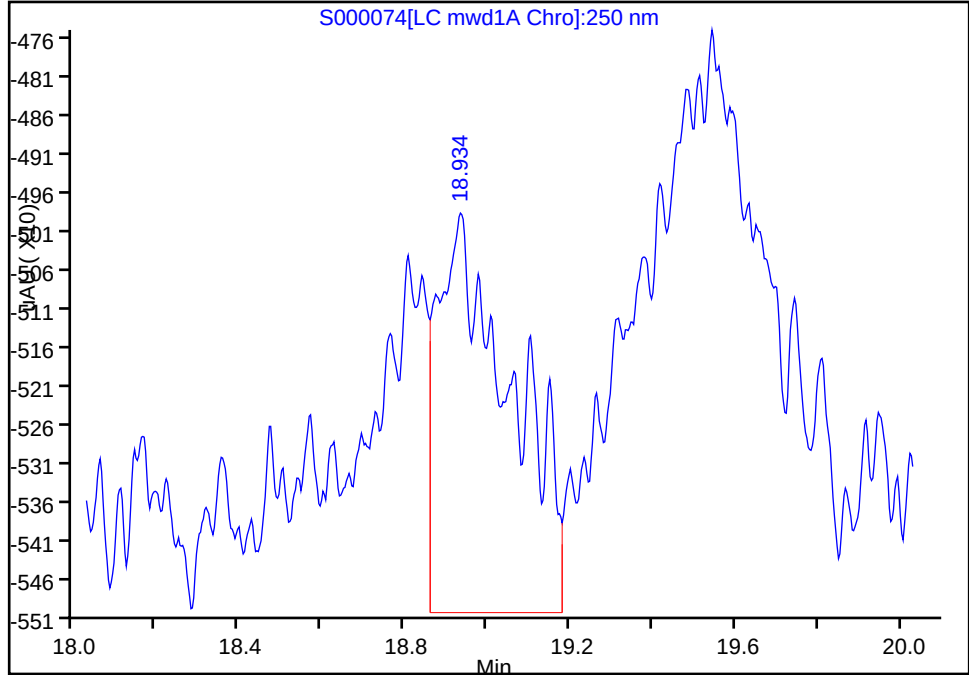
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

12 2,6-Dinitrotoluene, Signal: 1, Type: quant, RT: 18.93, Det: LC mwd1A

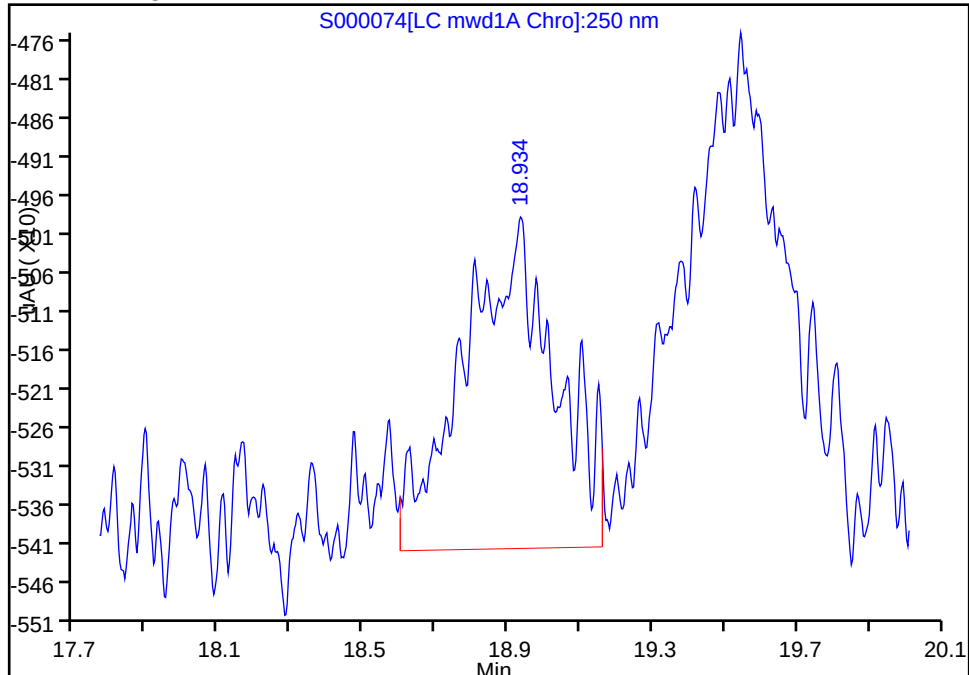
RT: 18.93  
Response: 517  
Amount: 8.677154

## Processing Integration Results



RT: 18.93  
Response: 426  
Amount: 7.149840

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

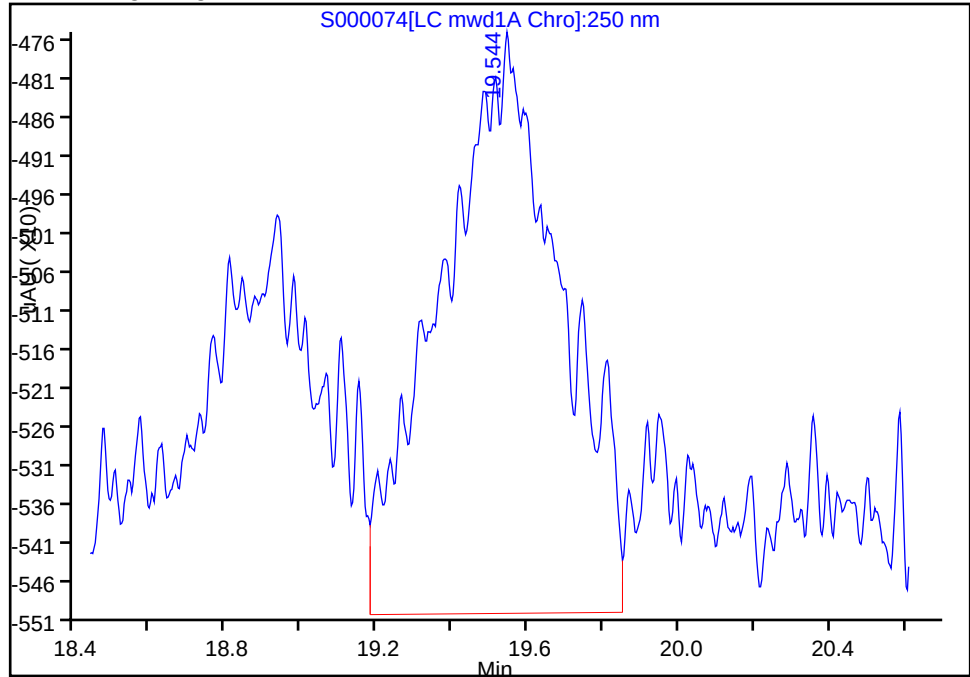
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

23,2,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 19.54, Det: LC mwd1A

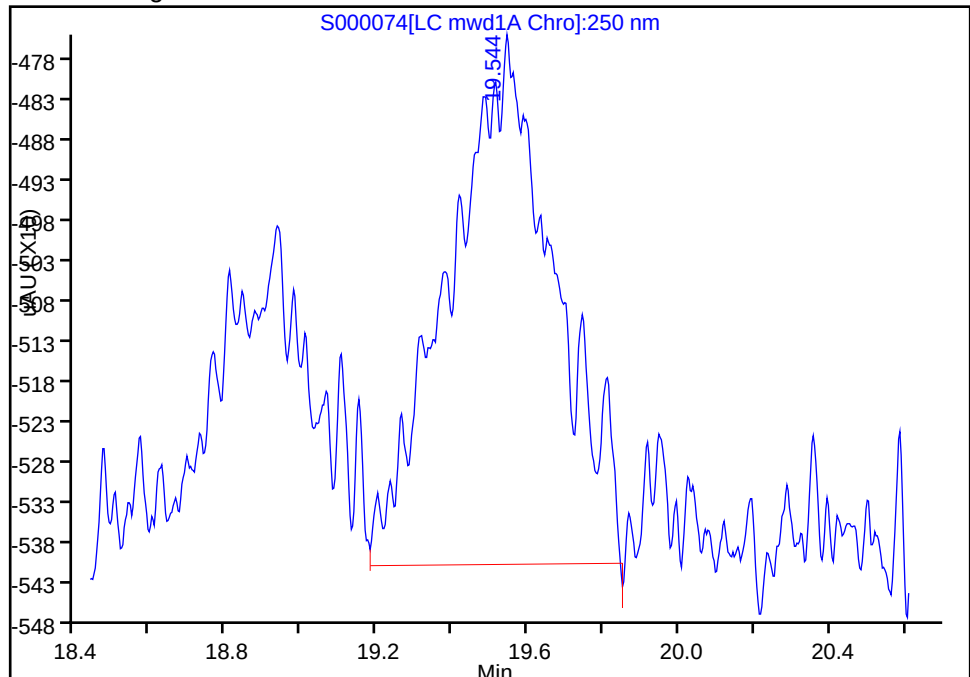
RT: 19.54  
Response: 752  
Amount: 7.835925

## Processing Integration Results



RT: 19.54  
Response: 656  
Amount: 6.835594

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

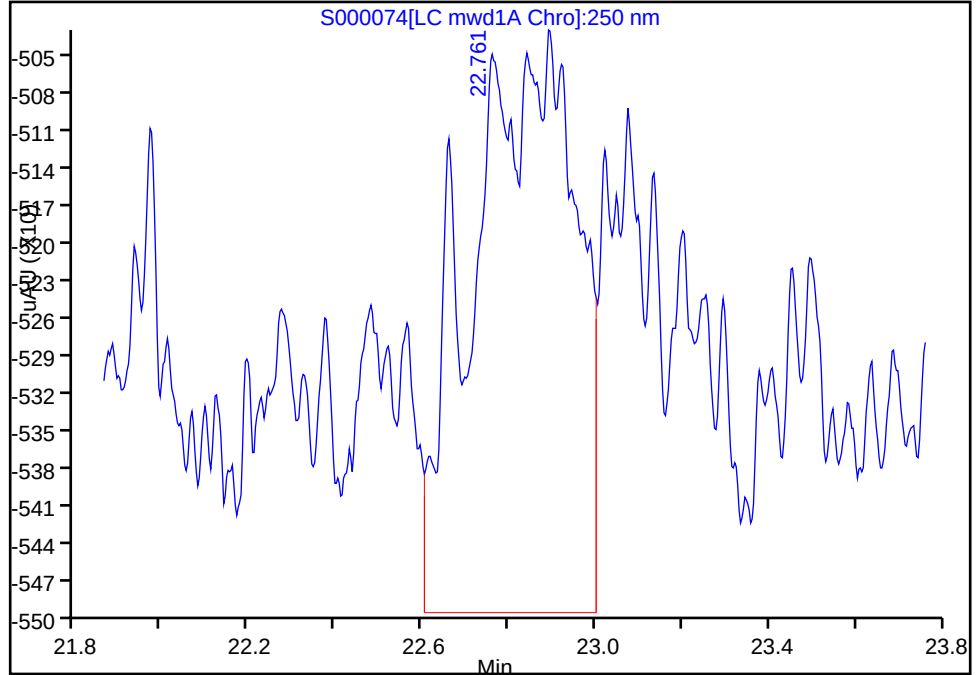
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 22.89, Det: LC mwd1A

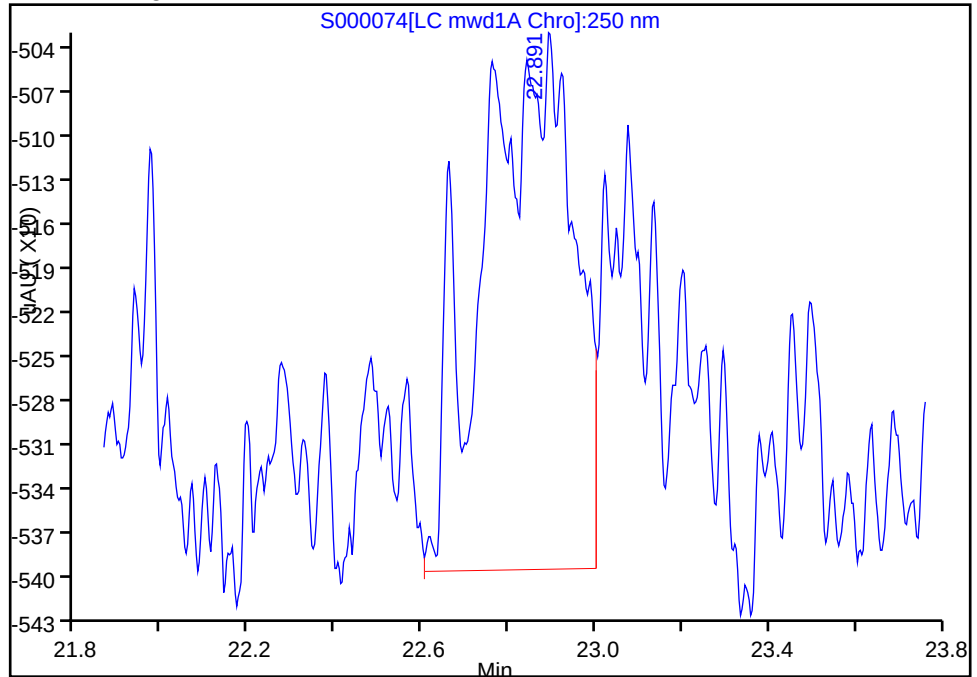
RT: 22.76  
Response: 436  
Amount: 9.785658

## Processing Integration Results



RT: 22.89  
Response: 354  
Amount: 7.945236

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

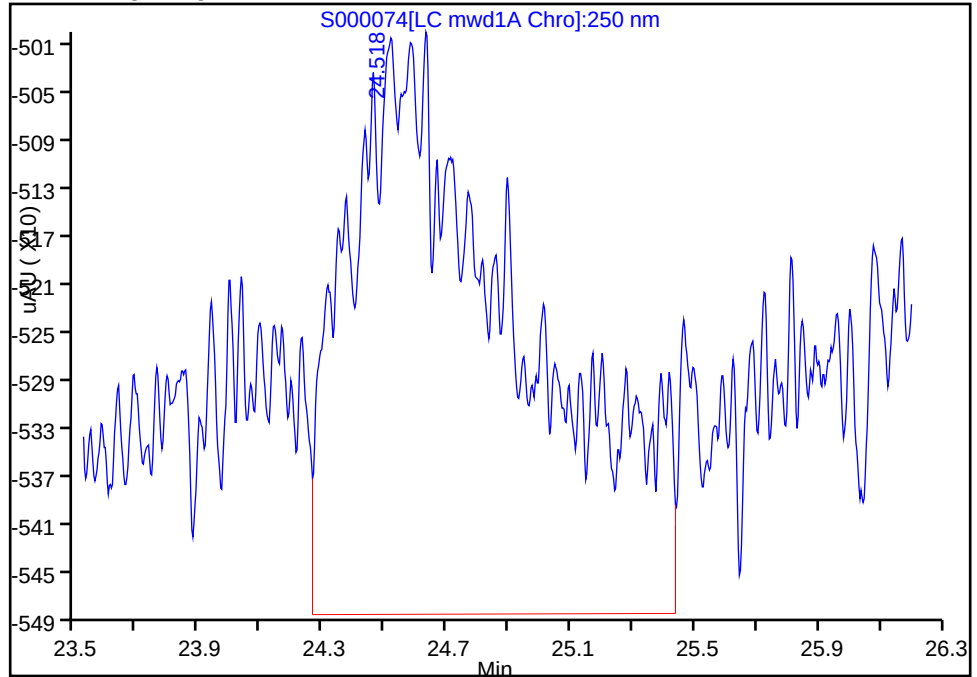
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

15 p-Nitrotoluene, Signal: 1, Type: quant, RT: 24.63, Det: LC mwd1A

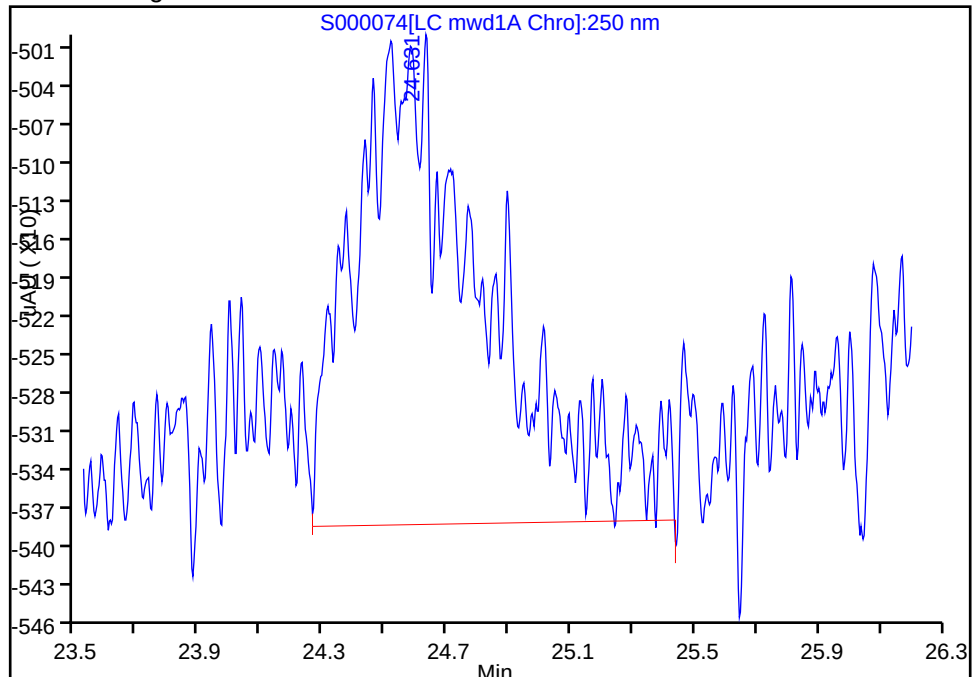
RT: 24.52  
Response: 482  
Amount: 9.021276

## Processing Integration Results



RT: 24.63  
Response: 382  
Amount: 7.149642

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D

Injection Date: 21-Dec-2012 17:23:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 74

Operator ID: RN

Injection Vol: 500.0 ul

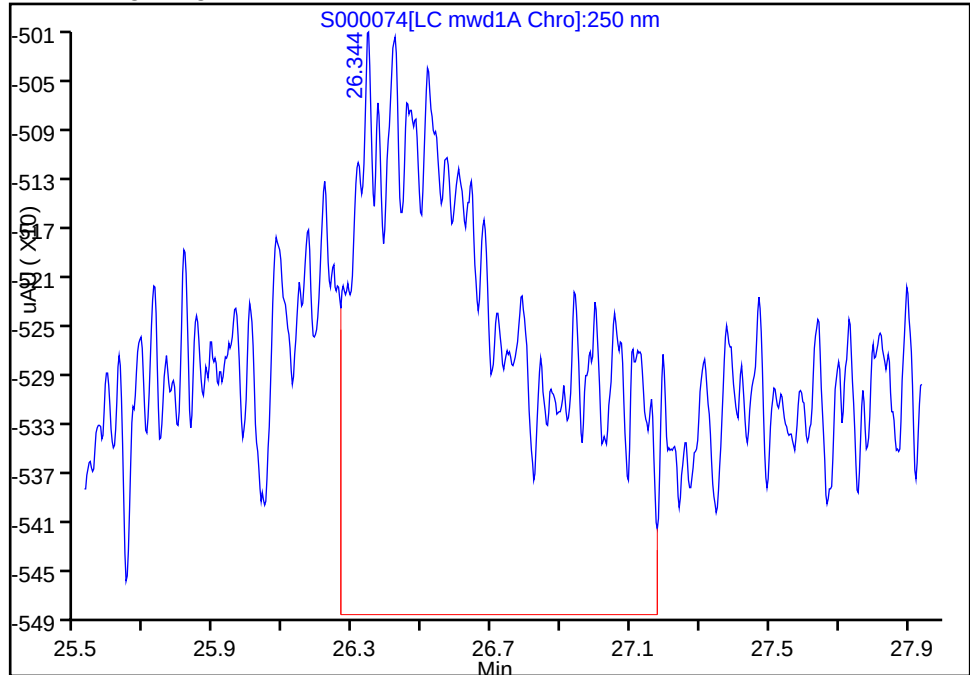
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 26.34, Det: LC mwd1A

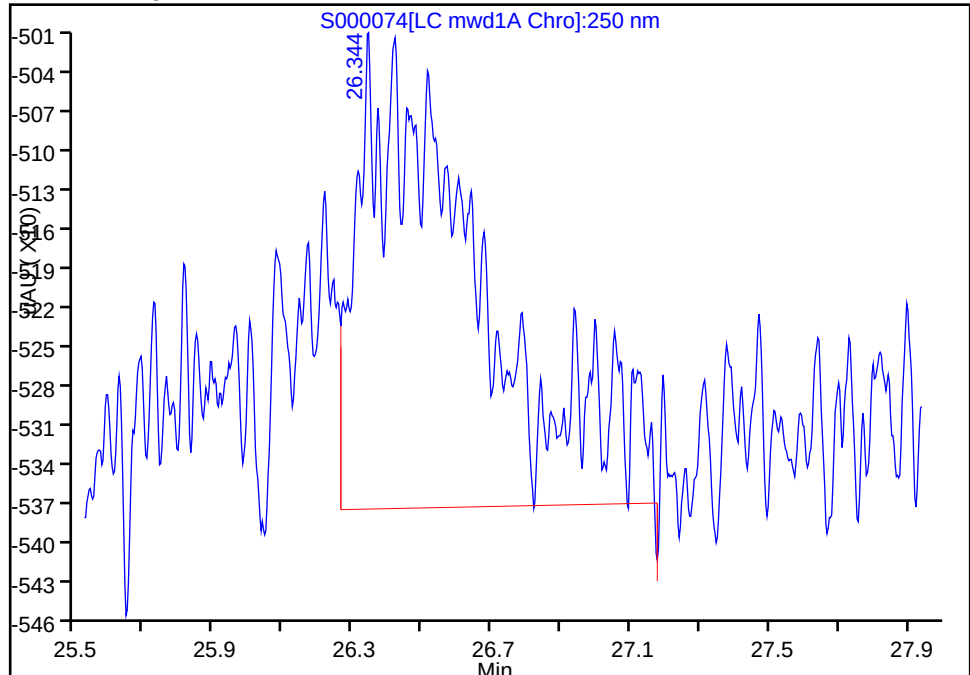
RT: 26.34  
Response: 468  
Amount: 8.677031

## Processing Integration Results



RT: 26.34  
Response: 360  
Amount: 6.674639

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline

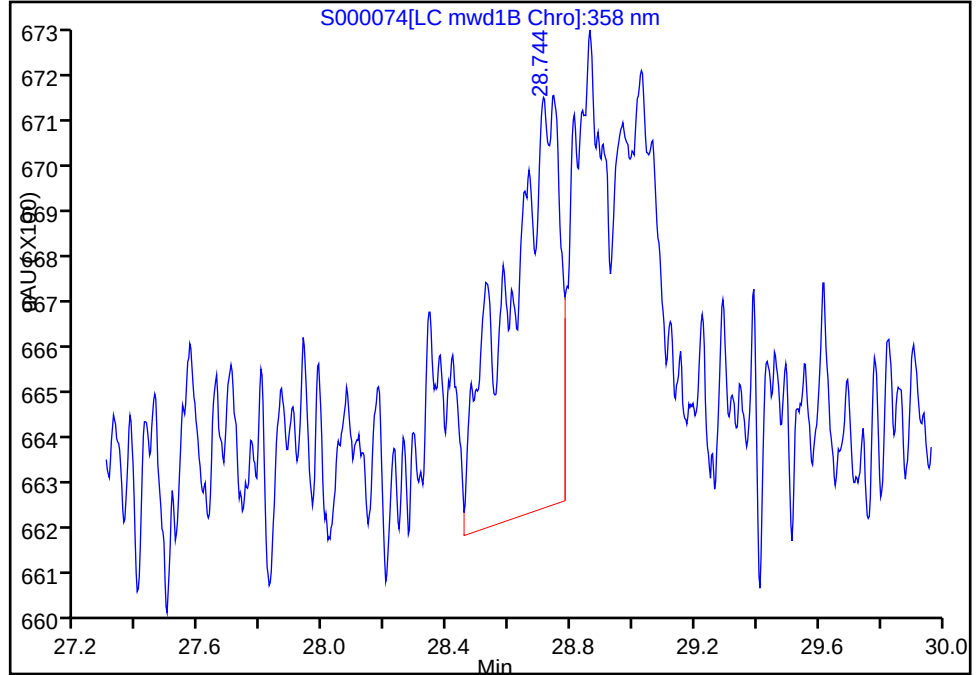
## TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D  
Injection Date: 21-Dec-2012 17:23:00 Limit Group: LC 8330B ICAL  
Client ID: Instrument ID: LC10  
Lims Batch ID: 7620 Lims Sample ID: 74  
Operator ID: RN Injection Vol: 500.0 ul  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.86, Det: LC mwd1B

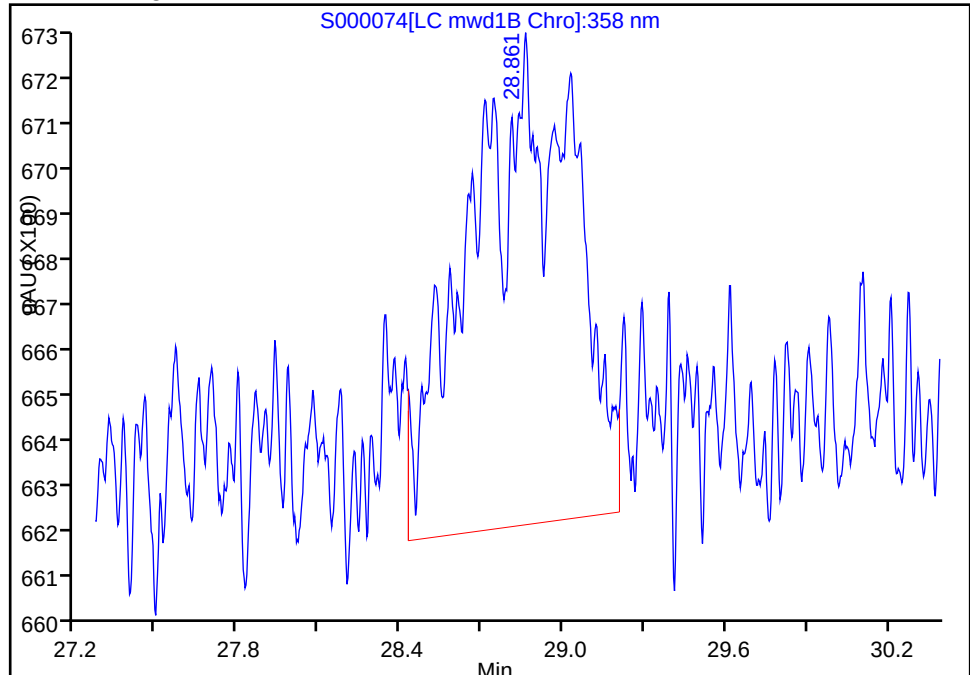
RT: 28.74  
Response: 856  
Amount: 23.308585

## Processing Integration Results



RT: 28.86  
Response: 1029  
Amount: 28.019315

## Manual Integration Results



Reviewer: noonanr, 26-Dec-2012 08:51:03  
Audit Action: Manually Integrated  
Audit Reason: Incomplete Integration

FORM I  
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 320-7404/1-A  
 Matrix: Water Lab File ID: S000068.D  
 Analysis Method: 8330B Date Collected: \_\_\_\_\_  
 Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07  
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/21/2012 13:22  
 Con. Extract Vol.: 20 (mL) Dilution Factor: 1  
 Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 7620 Units: ug/L

| CAS NO.    | COMPOUND NAME              | RESULT | Q | LOQ  | LOD   | DL    |
|------------|----------------------------|--------|---|------|-------|-------|
| 99-35-4    | 1,3,5-Trinitrobenzene      | 0.050  | U | 0.10 | 0.050 | 0.031 |
| 99-65-0    | 1,3-Dinitrobenzene         | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 118-96-7   | 2,4,6-Trinitrotoluene      | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 121-14-2   | 2,4-Dinitrotoluene         | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 606-20-2   | 2,6-Dinitrotoluene         | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 35572-78-2 | 2-Amino-4,6-dinitrotoluene | 0.10   | U | 0.20 | 0.10  | 0.015 |
| 88-72-2    | 2-Nitrotoluene             | 0.10   | U | 0.50 | 0.10  | 0.088 |
| 99-08-1    | 3-Nitrotoluene             | 0.10   | U | 0.50 | 0.10  | 0.057 |
| 99-99-0    | 4-Nitrotoluene             | 0.10   | U | 0.50 | 0.10  | 0.088 |
| 19406-51-0 | 4-Amino-2,6-dinitrotoluene | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 2691-41-0  | HMX                        | 0.050  | U | 0.10 | 0.050 | 0.036 |
| 121-82-4   | RDX                        | 0.050  | U | 0.10 | 0.050 | 0.036 |
| 98-95-3    | Nitrobenzene               | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 479-45-8   | Tetryl                     | 0.10   | U | 0.10 | 0.10  | 0.050 |
| 55-63-0    | Nitroglycerin              | 0.50   | U | 0.65 | 0.50  | 0.33  |
| 78-11-5    | PETN                       | 0.50   | U | 0.65 | 0.50  | 0.30  |

| CAS NO.  | SURROGATE          | %REC | Q | LIMITS |
|----------|--------------------|------|---|--------|
| 610-39-9 | 3,4-Dinitrotoluene | 97   |   | 79-111 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000068.D  
Lims ID: MB 320-7404/1-A Client ID:  
Inject. Date: 21-Dec-2012 13:22:10 Dil. Factor: 1.0000  
Sample Type: MB  
Sample ID: 320-0001888-068  
Misc. Info.:  
Operator: RN Instrument ID: LC10  
Injection Vol: 500.0 ul ALS Bottle#: 69  
Lims Batch ID: 7620 Lims Sample ID: 68  
Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330\_LC10.m  
Last Update: 26-Dec-2012 08:43:19 Calib Date: 01-Sep-2012 16:31:00  
Quant Method: External Standard Quant By: Initial Calibration  
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
Limit Group: LC 8330B ICAL  
Integrator: Falcon  
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:43:19

| Det | RT | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-----|----|-----------|-----------|----------|---------------------|-------|
|-----|----|-----------|-----------|----------|---------------------|-------|

\$ 30 3,4-Dinitrotoluene

|   |        |        |       |       |       |   |
|---|--------|--------|-------|-------|-------|---|
| 1 | 17.297 | 16.796 | 0.501 | 6802  | 120.8 |   |
| 2 | 17.304 | 16.806 | 0.498 | 13020 | 126.0 | a |



Report Date: 26-Dec-2012 08:43:19

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000068.D

Injection Date: 21-Dec-2012 13:22:10

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 68

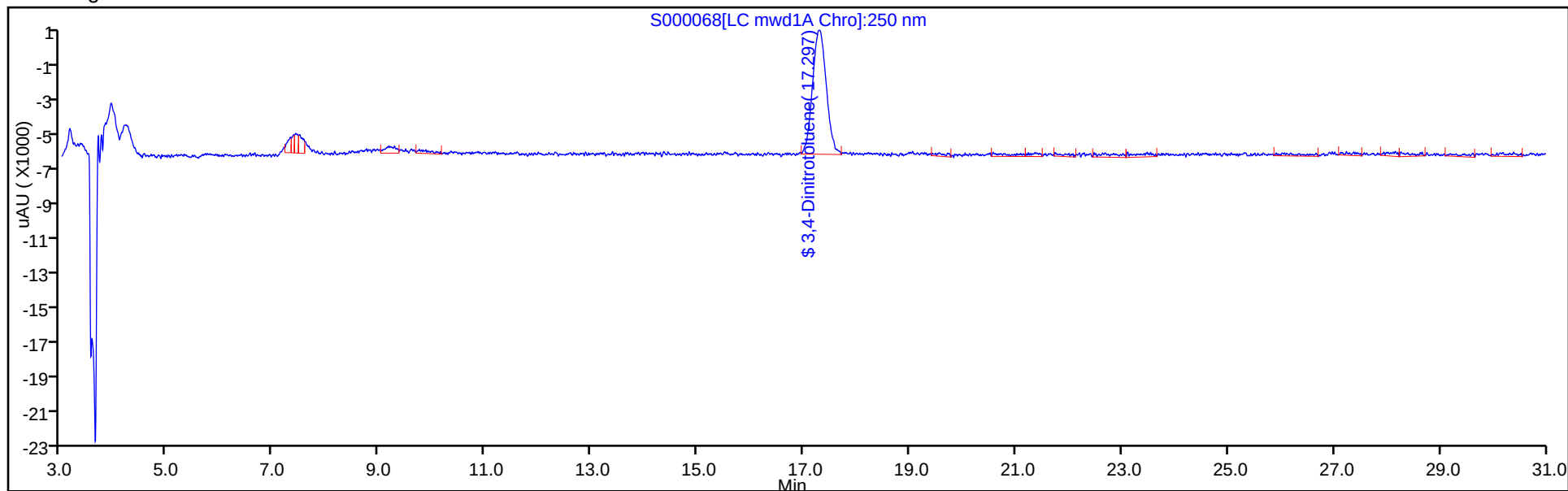
Operator ID: RN

Injection Vol: 500.0 ul

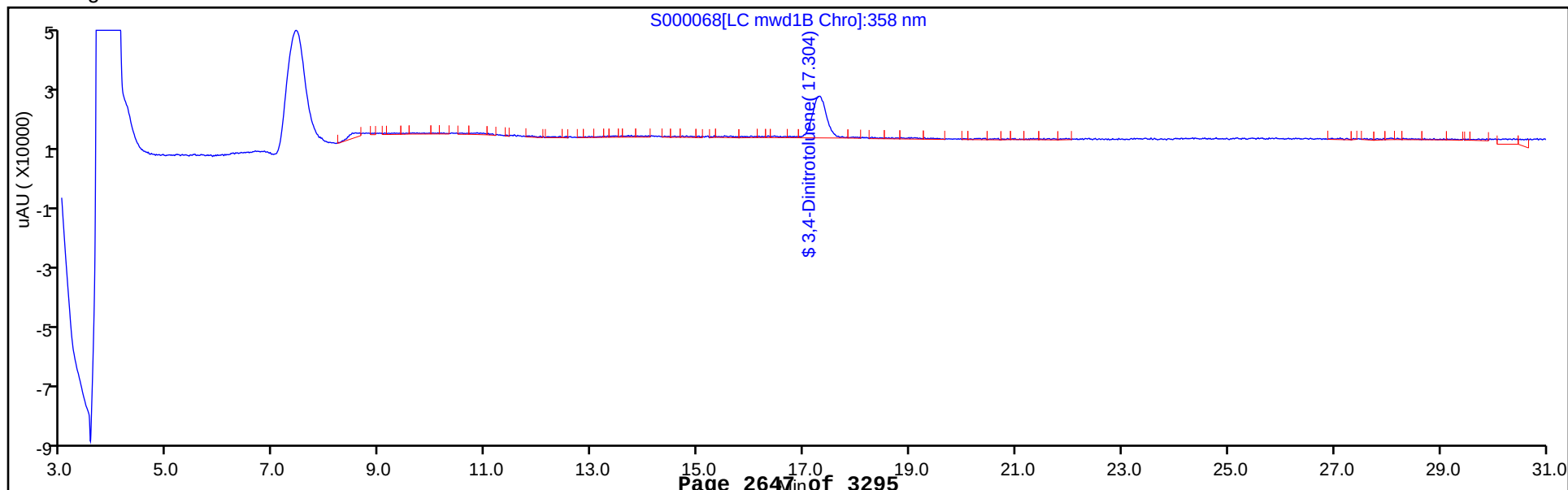
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I  
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 320-7404/2-A  
 Matrix: Water Lab File ID: S000069.D  
 Analysis Method: 8330B Date Collected: \_\_\_\_\_  
 Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07  
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/21/2012 14:02  
 Con. Extract Vol.: 20 (mL) Dilution Factor: 1  
 Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 7620 Units: ug/L

| CAS NO.    | COMPOUND NAME              | RESULT | Q | LOQ  | LOD   | DL    |
|------------|----------------------------|--------|---|------|-------|-------|
| 99-35-4    | 1,3,5-Trinitrobenzene      | 1.05   |   | 0.10 | 0.050 | 0.031 |
| 99-65-0    | 1,3-Dinitrobenzene         | 1.08   |   | 0.10 | 0.10  | 0.050 |
| 118-96-7   | 2,4,6-Trinitrotoluene      | 0.993  |   | 0.10 | 0.10  | 0.050 |
| 121-14-2   | 2,4-Dinitrotoluene         | 1.02   |   | 0.10 | 0.10  | 0.050 |
| 606-20-2   | 2,6-Dinitrotoluene         | 1.01   |   | 0.10 | 0.10  | 0.050 |
| 35572-78-2 | 2-Amino-4,6-dinitrotoluene | 1.04   |   | 0.20 | 0.10  | 0.015 |
| 88-72-2    | 2-Nitrotoluene             | 0.936  |   | 0.50 | 0.10  | 0.088 |
| 99-08-1    | 3-Nitrotoluene             | 0.981  |   | 0.50 | 0.10  | 0.057 |
| 99-99-0    | 4-Nitrotoluene             | 0.982  |   | 0.50 | 0.10  | 0.088 |
| 19406-51-0 | 4-Amino-2,6-dinitrotoluene | 1.05   |   | 0.10 | 0.10  | 0.050 |
| 2691-41-0  | HMX                        | 1.04   |   | 0.10 | 0.050 | 0.036 |
| 121-82-4   | RDX                        | 1.10   |   | 0.10 | 0.050 | 0.036 |
| 98-95-3    | Nitrobenzene               | 1.06   |   | 0.10 | 0.10  | 0.050 |
| 479-45-8   | Tetryl                     | 0.969  |   | 0.10 | 0.10  | 0.050 |
| 55-63-0    | Nitroglycerin              | 4.97   |   | 0.65 | 0.50  | 0.33  |
| 78-11-5    | PETN                       | 4.53   |   | 0.65 | 0.50  | 0.30  |

| CAS NO.  | SURROGATE          | %REC | Q | LIMITS |
|----------|--------------------|------|---|--------|
| 610-39-9 | 3,4-Dinitrotoluene | 97   |   | 79-111 |

TestAmerica West Sacramento  
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000069.D  
 Lims ID: LCS 320-7404/2-A Client ID:  
 Inject. Date: 21-Dec-2012 14:02:21 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: 320-0001888-069  
 Misc. Info.:  
 Operator: RN Instrument ID: LC10  
 Injection Vol: 500.0 ul ALS Bottle#: 70  
 Lims Batch ID: 7620 Lims Sample ID: 69  
 Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330\_LC10.m  
 Last Update: 26-Dec-2012 08:43:55 Calib Date: 01-Sep-2012 16:31:00  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D  
 Limit Group: LC 8330B ICAL  
 Integrator: Falcon  
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm  
 Process Host: XAWRK028

First Level Reviewer: noonanr

Date: 26-Dec-2012 08:43:55

| Det                           | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-------------------------------|--------|-----------|-----------|----------|---------------------|-------|
| 11 HMX                        |        |           |           |          |                     |       |
| 1                             | 5.229  | 5.226     | 0.003     | 6539     | 52.0                |       |
| 19 RDX                        |        |           |           |          |                     |       |
| 1                             | 7.536  | 7.523     | 0.013     | 4916     | 55.2                |       |
| 27 1,3,5-Trinitrobenzene      |        |           |           |          |                     |       |
| 1                             | 9.872  | 9.869     | 0.003     | 8555     | 52.6                |       |
| 24 1,3-Dinitrobenzene         |        |           |           |          |                     |       |
| 1                             | 12.502 | 12.506    | -0.004    | 8724     | 54.0                |       |
| 9 3,5-Dinitroaniline          |        |           |           |          |                     |       |
| 1                             | 13.252 | 13.270    | -0.018    | 5513     | 53.1                |       |
| 20 Tetryl                     |        |           |           |          |                     |       |
| 1                             | 13.649 | 13.690    | -0.041    | 4193     | 48.4                |       |
| 5 Nitrobenzene                |        |           |           |          |                     |       |
| 1                             | 14.252 | 14.256    | -0.004    | 3920     | 53.2                |       |
| 7 Nitroglycerin               |        |           |           |          |                     |       |
| 2                             | 14.879 | 14.913    | -0.034    | 16128    | 248.6               |       |
| 25 2,4,6-Trinitrotoluene      |        |           |           |          |                     |       |
| 1                             | 15.756 | 15.790    | -0.034    | 4607     | 49.7                |       |
| 26 4-Amino-2,6-dinitrotoluene |        |           |           |          |                     |       |
| 1                             | 16.279 | 16.343    | -0.064    | 3979     | 52.5                |       |
| \$ 30 3,4-Dinitrotoluene      |        |           |           |          |                     |       |
| 1                             | 16.739 | 16.796    | -0.057    | 6801     | 120.8               |       |
| 2                             | 16.752 | 16.806    | -0.054    | 12440    | 120.4               |       |
| 6 2-Amino-4,6-dinitrotoluene  |        |           |           |          |                     |       |
| 1                             | 17.269 | 17.306    | -0.037    | 4337     | 51.9                |       |
| 12 2,6-Dinitrotoluene         |        |           |           |          |                     |       |
| 1                             | 18.866 | 18.930    | -0.064    | 3016     | 50.6                |       |
| 23 2,4-Dinitrotoluene         |        |           |           |          |                     |       |
| 1                             | 19.516 | 19.570    | -0.054    | 4893     | 51.0                |       |

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000069.D

| Det               | RT     | EXP<br>RT | DLT<br>RT | Response | On-Col Amt<br>ng/ml | Flags |
|-------------------|--------|-----------|-----------|----------|---------------------|-------|
| 16 o-Nitrotoluene |        |           |           |          |                     |       |
| 1                 | 22.902 | 22.900    | 0.002     | 2085     | 46.8                |       |
| 15 p-Nitrotoluene |        |           |           |          |                     |       |
| 1                 | 24.526 | 24.576    | -0.050    | 2623     | 49.1                |       |
| 8 m-Nitrotoluene  |        |           |           |          |                     |       |
| 1                 | 26.419 | 26.463    | -0.044    | 2645     | 49.0                |       |
| 21 PETN           |        |           |           |          |                     |       |
| 2                 | 28.809 | 28.843    | -0.034    | 8319     | 226.5               |       |

Report Date: 26-Dec-2012 08:43:55

Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000069.D

Injection Date: 21-Dec-2012 14:02:21

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7620

Lims Sample ID: 69

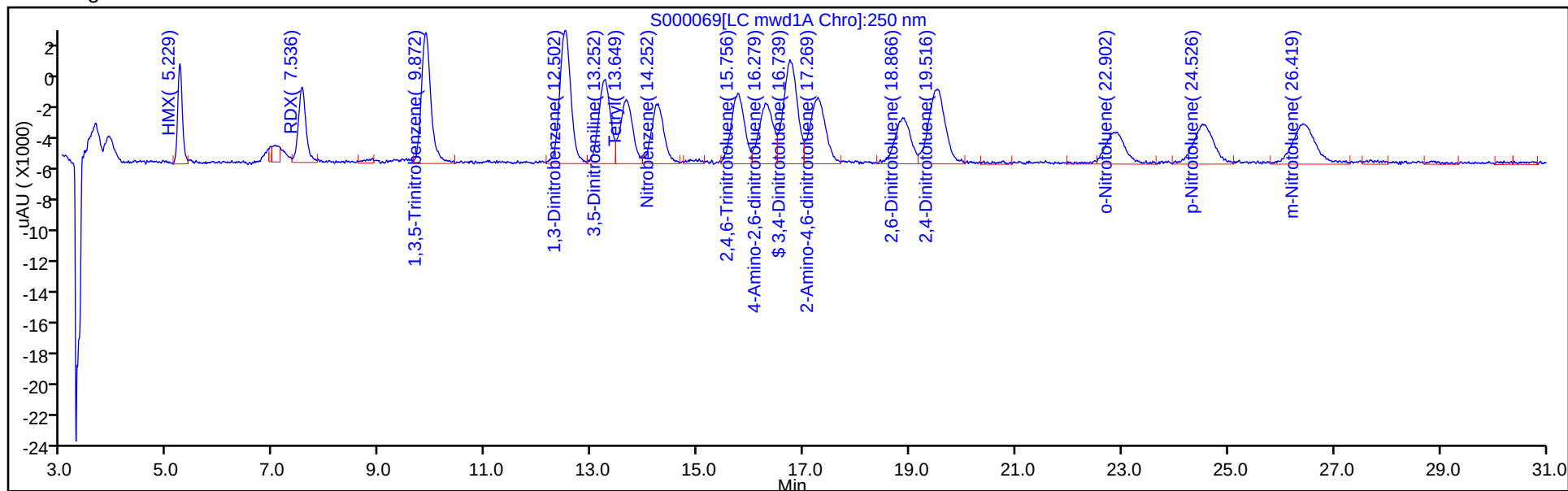
Operator ID: RN

Injection Vol: 500.0 ul

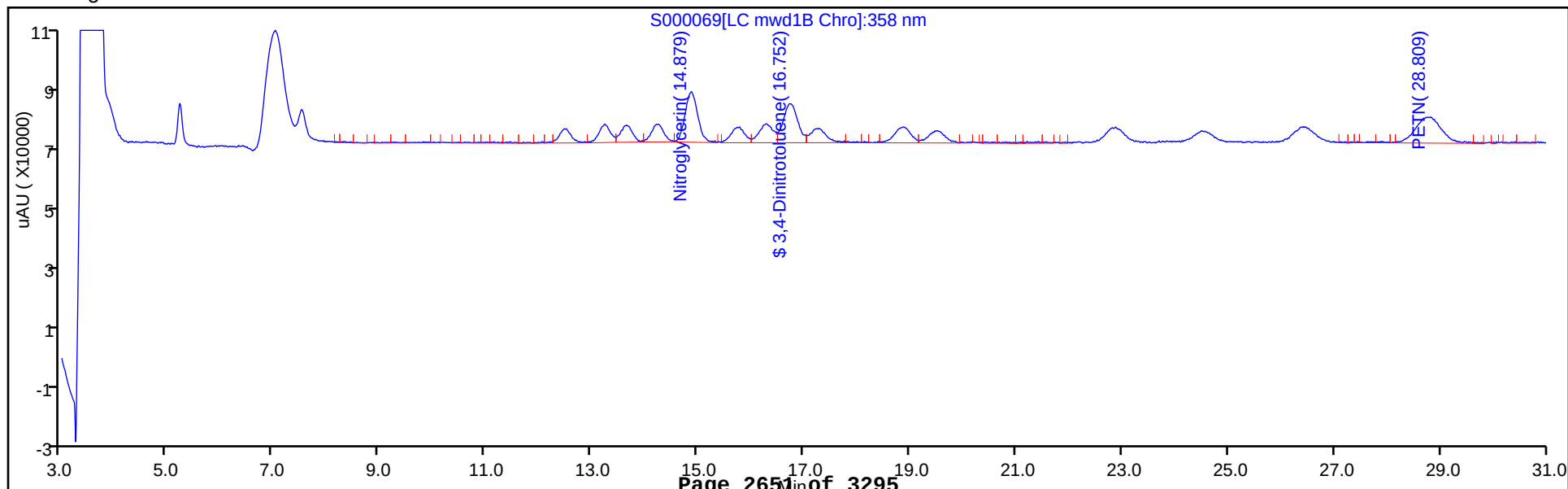
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



## HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: LC10 Start Date: 09/01/2012 11:10Analysis Batch Number: 3377 End Date: 09/01/2012 19:11

| LAB SAMPLE ID       | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID            |
|---------------------|------------------|------------------|--------------------|-------------|----------------------|
| ZZZZZ               |                  | 09/01/2012 11:10 | 1                  |             | Synergi C18 4.6 (mm) |
| STD01 320-3377/2 IC |                  | 09/01/2012 11:50 | 1                  | A-000006.D  | Synergi C18 4.6 (mm) |
| STD02 320-3377/3 IC |                  | 09/01/2012 12:30 | 1                  | A-000007.D  | Synergi C18 4.6 (mm) |
| STD03 320-3377/4 IC |                  | 09/01/2012 13:10 | 1                  | A-000008.D  | Synergi C18 4.6 (mm) |
| STD04 320-3377/5 IC |                  | 09/01/2012 13:50 | 1                  | A-000009.D  | Synergi C18 4.6 (mm) |
| STD05 320-3377/6 IC |                  | 09/01/2012 14:30 | 1                  | A-000010.D  | Synergi C18 4.6 (mm) |
| STD06 320-3377/7 IC |                  | 09/01/2012 15:10 | 1                  | A-000011.D  | Synergi C18 4.6 (mm) |
| STD07 320-3377/8 IC |                  | 09/01/2012 15:50 | 1                  | A-000012.D  | Synergi C18 4.6 (mm) |
| STD08 320-3377/9 IC |                  | 09/01/2012 16:31 | 1                  | A-000013.D  | Synergi C18 4.6 (mm) |
| ZZZZZ               |                  | 09/01/2012 17:10 | 1                  |             | Synergi C18 4.6 (mm) |
| ICV 320-3377/11     |                  | 09/01/2012 17:51 | 1                  | A-000015.D  | Synergi C18 4.6 (mm) |
| ICV 320-3377/12     |                  | 09/01/2012 18:31 | 1                  |             |                      |
| LODV 320-3377/13    |                  | 09/01/2012 19:11 | 1                  | A-000017.D  | Synergi C18 4.6 (mm) |

## HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica SacramentoJob No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: LC10Start Date: 12/19/2012 17:43Analysis Batch Number: 7620End Date: 12/22/2012 00:44

| LAB SAMPLE ID         | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID            |
|-----------------------|------------------|------------------|--------------------|-------------|----------------------|
| CCV 320-7620/3 CCVRT  |                  | 12/19/2012 17:43 | 1                  |             | Synergi C18 4.6 (mm) |
| CCV 320-7620/14 CCVRT |                  | 12/20/2012 01:05 | 1                  |             | Synergi C18 4.6 (mm) |
| CCVL 320-7620/15      |                  | 12/20/2012 01:45 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 07:07 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 07:47 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 08:27 | 1                  |             | Synergi C18 4.6 (mm) |
| CCV 320-7620/26 CCVRT |                  | 12/20/2012 09:07 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 09:48 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 10:28 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 11:48 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 12:29 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 13:09 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 13:49 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 14:29 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 15:09 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 15:50 | 1                  |             | Synergi C18 4.6 (mm) |
| CCV 320-7620/37 CCVRT |                  | 12/20/2012 16:30 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 17:10 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 17:51 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 18:31 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 19:12 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 19:52 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 20:32 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 21:13 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 21:54 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/20/2012 22:34 | 1                  |             | Synergi C18 4.6 (mm) |
| CCV 320-7620/46 CCVRT |                  | 12/20/2012 23:14 | 1                  |             | Synergi C18 4.6 (mm) |
| CCVL 320-7620/47      |                  | 12/20/2012 23:55 | 1                  | S000048.D   | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 00:35 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 01:16 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 01:56 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 02:37 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 03:17 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 03:58 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 04:38 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 05:19 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 05:59 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 06:39 | 1                  |             | Synergi C18 4.6 (mm) |
| CCV 320-7620/66 CCVRT |                  | 12/21/2012 07:19 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 08:00 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 08:40 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 09:20 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                 |                  | 12/21/2012 10:00 | 1                  |             | Synergi C18 4.6 (mm) |

## HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: LC10 Start Date: 12/19/2012 17:43Analysis Batch Number: 7620 End Date: 12/22/2012 00:44

| LAB SAMPLE ID            | CLIENT SAMPLE ID              | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID            |
|--------------------------|-------------------------------|------------------|--------------------|-------------|----------------------|
| ZZZZZ                    |                               | 12/21/2012 10:41 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                    |                               | 12/21/2012 11:21 | 1                  |             | Synergi C18 4.6 (mm) |
| ZZZZZ                    |                               | 12/21/2012 12:01 | 1                  |             | Synergi C18 4.6 (mm) |
| CCV 320-7620/67<br>CCVRT |                               | 12/21/2012 12:41 | 1                  | S000067.D   | Synergi C18 4.6 (mm) |
| MB 320-7404/1-A          |                               | 12/21/2012 13:22 | 1                  | S000068.D   | Synergi C18 4.6 (mm) |
| LCS 320-7404/2-A         |                               | 12/21/2012 14:02 | 1                  | S000069.D   | Synergi C18 4.6 (mm) |
| ZZZZZ                    |                               | 12/21/2012 14:42 | 1                  |             | Synergi C18 4.6 (mm) |
| 240-18735-3              | 070-0056-0001-SOURCE<br>WATER | 12/21/2012 15:22 | 1                  | S000071.D   | Synergi C18 4.6 (mm) |
| 240-18735-4              | 070-0057-0001-SOURCE<br>WATER | 12/21/2012 16:02 | 1                  | S000072.D   | Synergi C18 4.6 (mm) |
| CCV 320-7620/73<br>CCVRT |                               | 12/21/2012 16:42 | 1                  | S000073.D   | Synergi C18 4.6 (mm) |
| CCVL 320-7620/74         |                               | 12/21/2012 17:23 | 1                  | S000074.D   | Synergi C18 4.6 (mm) |
| CCV 320-7620/85<br>CCVRT |                               | 12/22/2012 00:44 | 1                  |             | Synergi C18 4.6 (mm) |



## HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 7404 Batch Start Date: 12/14/12 11:07 Batch Analyst: Arauz, HoracioBatch Method: 8330-Prep Batch End Date: 12/17/12 15:55

| Lab Sample ID  | Client Sample ID               | Method Chain        | Basis | GrossWeight | TareWeight | InitialAmount | FinalAmount | HP34DNTSU 00008 | HP8330SP 00011 |
|----------------|--------------------------------|---------------------|-------|-------------|------------|---------------|-------------|-----------------|----------------|
| MB 320-7404/1  |                                | 8330-Prep,<br>8330B |       |             |            | 1000 mL       | 20 mL       | 50 uL           |                |
| LCS 320-7404/2 |                                | 8330-Prep,<br>8330B |       |             |            | 1000 mL       | 20 mL       | 50 uL           | 20 uL          |
| 240-18735-R-3  | 070-0056-0001-SO<br>URCE WATER | 8330-Prep,<br>8330B | T     | 1504.4 g    | 499.96 g   | 1004.4 mL     | 20 mL       | 50 uL           |                |
| 240-18735-R-4  | 070-0057-0001-SO<br>URCE WATER | 8330-Prep,<br>8330B | T     | 1509.8 g    | 498.79 g   | 1011 mL       | 20 mL       | 50 uL           |                |

| Lab Sample ID  | Client Sample ID               | Method Chain        | Basis | HPNGPETNSP<br>00001 |  |  |  |  |  |
|----------------|--------------------------------|---------------------|-------|---------------------|--|--|--|--|--|
| MB 320-7404/1  |                                | 8330-Prep,<br>8330B |       |                     |  |  |  |  |  |
| LCS 320-7404/2 |                                | 8330-Prep,<br>8330B |       | 100 uL              |  |  |  |  |  |
| 240-18735-R-3  | 070-0056-0001-SO<br>URCE WATER | 8330-Prep,<br>8330B | T     |                     |  |  |  |  |  |
| 240-18735-R-4  | 070-0057-0001-SO<br>URCE WATER | 8330-Prep,<br>8330B | T     |                     |  |  |  |  |  |

| Batch Notes                              |                  |
|------------------------------------------|------------------|
| 0.1% HOAc/CAN Lot 3                      | HPHOAC/ACN_0001  |
| Balance ID                               | QA-070           |
| Person's name who did the concentration  | HA               |
| Date of Clean up                         | 12-17-12         |
| Date Dilution Performed                  | 12-17-12         |
| Analytst performing Dilution             | HA               |
| Filter Lot #                             | R2DA02309        |
| Date of Final Volume                     | 12-17-12         |
| Millipore Water Dispense Date            | 12-12-12         |
| Prep Solvent Volume Used                 | 5 mL             |
| Person's name who witnessed reagent drop | TP               |
| Solvent                                  | 0.1% HOAC/ACN    |
| SPE Cartridge Lot #                      | WATER 003732270A |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 7404 Batch Start Date: 12/14/12 11:07 Batch Analyst: Arauz, HoracioBatch Method: 8330-Prep Batch End Date: 12/17/12 15:55

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# METALS

COVER PAGE  
METALS

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG No.: \_\_\_\_\_  
Project: RVAAP - ECC

| Client Sample ID                  | Lab Sample ID      |
|-----------------------------------|--------------------|
| <u>070-0056-0001-SOURCE WATER</u> | <u>240-18735-3</u> |
| <u>070-0057-0001-SOURCE WATER</u> | <u>240-18735-4</u> |
| <u>070-0058-0001-IDW</u>          | <u>240-18735-5</u> |
| <u>070-0059-0001-IDW</u>          | <u>240-18735-6</u> |

Comments:

COVER PAGE  
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-18735-2

SDG No.: \_\_\_\_\_

Project: RVAAP - ECC

Client Sample ID

070-0056-0001-SOURCE WATER

070-0057-0001-SOURCE WATER

Lab Sample ID

240-18735-3

240-18735-4

Comments:

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: 070-0056-0001-SOURCE WATER

Lab Sample ID: 240-18735-3

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

SDG ID.:

Matrix: Water

Date Sampled: 12/12/2012 13:00

Reporting Basis: WET

Date Received: 12/12/2012 17:07

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method        |
|---------|--------|------|------|------|-------|---|---|-----|---------------|
| Mercury | 0.20   | 0.20 | 0.20 | 0.12 | ug/L  | U |   | 1   | 7470A/DO<br>D |

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: 070-0057-0001-SOURCE WATER

Lab Sample ID: 240-18735-4

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

SDG ID.:

Matrix: Water

Date Sampled: 12/12/2012 13:15

Reporting Basis: WET

Date Received: 12/12/2012 17:07

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method        |
|---------|--------|------|------|------|-------|---|---|-----|---------------|
| Mercury | 0.20   | 0.20 | 0.20 | 0.12 | ug/L  | U |   | 1   | 7470A/DO<br>D |

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS - TCLP

Client Sample ID: 070-0058-0001-IDW      Lab Sample ID: 240-18735-5

Lab Name: TestAmerica Canton      Job No.: 240-18735-2

SDG ID.: \_\_\_\_\_

Matrix: Solid      Date Sampled: 12/12/2012 13:30

Reporting Basis: WET      Date Received: 12/12/2012 17:07

| Analyte  | Result  | LOQ    | LOD     | DL      | Units | C | Q | DIL | Method        |
|----------|---------|--------|---------|---------|-------|---|---|-----|---------------|
| Silver   | 0.0050  | 0.50   | 0.0050  | 0.0017  | mg/L  | U |   | 1   | 6010B/DO<br>D |
| Arsenic  | 0.0044  | 0.50   | 0.010   | 0.0033  | mg/L  | J |   | 1   | 6010B/DO<br>D |
| Barium   | 0.29    | 10     | 0.0050  | 0.0028  | mg/L  | J |   | 1   | 6010B/DO<br>D |
| Cadmium  | 0.0016  | 0.10   | 0.0010  | 0.00039 | mg/L  | J |   | 1   | 6010B/DO<br>D |
| Chromium | 0.0024  | 0.50   | 0.0040  | 0.0014  | mg/L  | J |   | 1   | 6010B/DO<br>D |
| Lead     | 0.0090  | 0.50   | 0.0050  | 0.0017  | mg/L  | J |   | 1   | 6010B/DO<br>D |
| Selenium | 0.0066  | 0.25   | 0.010   | 0.0040  | mg/L  | J |   | 1   | 6010B/DO<br>D |
| Hg       | 0.00020 | 0.0020 | 0.00020 | 0.00012 | mg/L  | U |   | 1   | 7470A/DO<br>D |



1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS - TCLP

Client Sample ID: 070-0059-0001-IDW

Lab Sample ID: 240-18735-6

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

SDG ID.:

Matrix: Water

Date Sampled: 12/12/2012 13:30

Reporting Basis: WET

Date Received: 12/12/2012 17:07

| Analyte  | Result  | LOQ    | LOD     | DL      | Units | C | Q | DIL | Method        |
|----------|---------|--------|---------|---------|-------|---|---|-----|---------------|
| Silver   | 0.020   | 2.0    | 0.020   | 0.0070  | mg/L  | U |   | 1   | 6010B/DO<br>D |
| Arsenic  | 0.040   | 2.0    | 0.040   | 0.013   | mg/L  | U |   | 1   | 6010B/DO<br>D |
| Barium   | 0.24    | 40     | 0.020   | 0.011   | mg/L  | J |   | 1   | 6010B/DO<br>D |
| Cadmium  | 0.0040  | 0.40   | 0.0040  | 0.0016  | mg/L  | U |   | 1   | 6010B/DO<br>D |
| Chromium | 0.012   | 2.0    | 0.016   | 0.0056  | mg/L  | J |   | 1   | 6010B/DO<br>D |
| Lead     | 0.015   | 2.0    | 0.020   | 0.0069  | mg/L  | J |   | 1   | 6010B/DO<br>D |
| Selenium | 0.040   | 1.0    | 0.040   | 0.016   | mg/L  | U |   | 1   | 6010B/DO<br>D |
| Hg       | 0.00020 | 0.0020 | 0.00020 | 0.00012 | mg/L  | U |   | 1   | 7470A/DO<br>D |

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS - TOTAL RECOVERABLE

Client Sample ID: 070-0056-0001-SOURCE WATER

Lab Sample ID: 240-18735-3

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18735-2

SDG ID.:

Matrix: Water

Date Sampled: 12/12/2012 13:00

Reporting Basis: WET

Date Received: 12/12/2012 17:07

| Analyte   | Result | LOQ  | LOD   | DL    | Units | C | Q | DIL | Method   |
|-----------|--------|------|-------|-------|-------|---|---|-----|----------|
| Silver    | 0.20   | 1.0  | 0.20  | 0.11  | ug/L  | U |   | 1   | 6020/DOD |
| Aluminum  | 13     | 30   | 5.0   | 2.6   | ug/L  | J |   | 1   | 6020/DOD |
| Arsenic   | 0.49   | 1.0  | 0.50  | 0.29  | ug/L  | J |   | 1   | 6020/DOD |
| Barium    | 39     | 10   | 0.15  | 0.098 | ug/L  |   | Q | 1   | 6020/DOD |
| Beryllium | 0.090  | 1.0  | 0.090 | 0.045 | ug/L  | U |   | 1   | 6020/DOD |
| Calcium   | 66000  | 100  | 20    | 9.4   | ug/L  |   |   | 1   | 6020/DOD |
| Cadmium   | 0.30   | 1.0  | 0.30  | 0.13  | ug/L  | U |   | 1   | 6020/DOD |
| Chromium  | 1.0    | 2.0  | 1.0   | 0.54  | ug/L  | U |   | 1   | 6020/DOD |
| Cobalt    | 0.11   | 0.50 | 0.050 | 0.026 | ug/L  | J | Q | 1   | 6020/DOD |
| Copper    | 0.83   | 2.0  | 0.50  | 0.24  | ug/L  | J | Q | 1   | 6020/DOD |
| Iron      | 440    | 50   | 20    | 11    | ug/L  |   |   | 1   | 6020/DOD |
| Magnesium | 27000  | 100  | 22    | 11    | ug/L  |   |   | 1   | 6020/DOD |
| Manganese | 77     | 5.0  | 0.30  | 0.16  | ug/L  |   |   | 1   | 6020/DOD |
| Sodium    | 35000  | 100  | 55    | 27    | ug/L  |   |   | 1   | 6020/DOD |
| Nickel    | 0.35   | 1.0  | 0.35  | 0.17  | ug/L  | U |   | 1   | 6020/DOD |
| Lead      | 0.30   | 1.0  | 0.30  | 0.15  | ug/L  | U |   | 1   | 6020/DOD |
| Antimony  | 0.90   | 2.0  | 0.90  | 0.46  | ug/L  | U |   | 1   | 6020/DOD |
| Thallium  | 0.20   | 1.0  | 0.20  | 0.10  | ug/L  | U |   | 1   | 6020/DOD |
| Vanadium  | 0.60   | 1.0  | 0.60  | 0.30  | ug/L  | U |   | 1   | 6020/DOD |
| Zinc      | 18     | 5.0  | 2.0   | 0.96  | ug/L  |   | Q | 1   | 6020/DOD |
| Potassium | 2500   | 100  | 60    | 32    | ug/L  |   |   | 1   | 6020/DOD |
| Selenium  | 1.0    | 5.0  | 1.0   | 0.51  | ug/L  | U | Q | 1   | 6020/DOD |

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS - TOTAL RECOVERABLE

Client Sample ID: 070-0057-0001-SOURCE WATER

Lab Sample ID: 240-18735-4

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18735-2

SDG ID.:

Matrix: Water

Date Sampled: 12/12/2012 13:15

Reporting Basis: WET

Date Received: 12/12/2012 17:07

| Analyte   | Result | LOQ  | LOD   | DL    | Units | C | Q | DIL | Method   |
|-----------|--------|------|-------|-------|-------|---|---|-----|----------|
| Silver    | 0.20   | 1.0  | 0.20  | 0.11  | ug/L  | U |   | 1   | 6020/DOD |
| Aluminum  | 5.0    | 30   | 5.0   | 2.6   | ug/L  | U |   | 1   | 6020/DOD |
| Arsenic   | 0.50   | 1.0  | 0.50  | 0.29  | ug/L  | U |   | 1   | 6020/DOD |
| Barium    | 0.13   | 10   | 0.15  | 0.098 | ug/L  | J | Q | 1   | 6020/DOD |
| Beryllium | 0.090  | 1.0  | 0.090 | 0.045 | ug/L  | U |   | 1   | 6020/DOD |
| Calcium   | 59     | 100  | 20    | 9.4   | ug/L  | J |   | 1   | 6020/DOD |
| Cadmium   | 0.30   | 1.0  | 0.30  | 0.13  | ug/L  | U |   | 1   | 6020/DOD |
| Chromium  | 1.0    | 2.0  | 1.0   | 0.54  | ug/L  | U |   | 1   | 6020/DOD |
| Cobalt    | 0.050  | 0.50 | 0.050 | 0.026 | ug/L  | U | Q | 1   | 6020/DOD |
| Copper    | 0.60   | 2.0  | 0.50  | 0.24  | ug/L  | J | Q | 1   | 6020/DOD |
| Iron      | 20     | 50   | 20    | 11    | ug/L  | U |   | 1   | 6020/DOD |
| Magnesium | 29     | 100  | 22    | 11    | ug/L  | J |   | 1   | 6020/DOD |
| Manganese | 0.30   | 5.0  | 0.30  | 0.16  | ug/L  | U |   | 1   | 6020/DOD |
| Sodium    | 1600   | 100  | 55    | 27    | ug/L  |   |   | 1   | 6020/DOD |
| Nickel    | 0.35   | 1.0  | 0.35  | 0.17  | ug/L  | U |   | 1   | 6020/DOD |
| Lead      | 0.30   | 1.0  | 0.30  | 0.15  | ug/L  | U |   | 1   | 6020/DOD |
| Antimony  | 0.90   | 2.0  | 0.90  | 0.46  | ug/L  | U |   | 1   | 6020/DOD |
| Thallium  | 0.20   | 1.0  | 0.20  | 0.10  | ug/L  | U |   | 1   | 6020/DOD |
| Vanadium  | 0.60   | 1.0  | 0.60  | 0.30  | ug/L  | U |   | 1   | 6020/DOD |
| Zinc      | 2.0    | 5.0  | 2.0   | 0.96  | ug/L  | U | Q | 1   | 6020/DOD |
| Potassium | 60     | 100  | 60    | 32    | ug/L  | U |   | 1   | 6020/DOD |
| Selenium  | 1.0    | 5.0  | 1.0   | 0.51  | ug/L  | U | Q | 1   | 6020/DOD |

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

ICV Source: MT6500ICV\_00007 Concentration Units: ug/L

CCV Source: MT6500CCV\_00021

| Analyte         | ICV 240-71033/4<br>01/03/2013 11:37 |   |      |     | CCV 240-71033/18<br>01/03/2013 12:33 |   |      |     | CCV 240-71033/30<br>01/03/2013 13:37 |   |      |     |
|-----------------|-------------------------------------|---|------|-----|--------------------------------------|---|------|-----|--------------------------------------|---|------|-----|
|                 | Found                               | C | True | %R  | Found                                | C | True | %R  | Found                                | C | True | %R  |
| <b>Arsenic</b>  | 379                                 |   | 375  | 101 | 516                                  |   | 500  | 103 | 520                                  |   | 500  | 104 |
| <b>Barium</b>   | 1540                                | J | 1500 | 103 | 2010                                 | J | 2000 | 100 | 2020                                 | J | 2000 | 101 |
| <b>Cadmium</b>  | 380                                 |   | 375  | 101 | 508                                  |   | 500  | 102 | 513                                  |   | 500  | 103 |
| <b>Chromium</b> | 1510                                |   | 1500 | 101 | 1990                                 |   | 2000 | 100 | 2020                                 |   | 2000 | 101 |
| <b>Lead</b>     | 374                                 |   | 375  | 100 | 502                                  |   | 500  | 100 | 503                                  |   | 500  | 101 |
| <b>Selenium</b> | 380                                 |   | 375  | 101 | 505                                  |   | 500  | 101 | 510                                  |   | 500  | 102 |
| <b>Silver</b>   | 777                                 |   | 750  | 104 | 1010                                 |   | 1000 | 101 | 1020                                 |   | 1000 | 102 |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

ICV Source: MT6500ICV\_00007 Concentration Units: ug/L

CCV Source: MT6500CCV\_00021

| Analyte         | CCV 240-71033/37<br>01/03/2013 14:09 |   |      |     |       |   |      |    |       |   |      |    |
|-----------------|--------------------------------------|---|------|-----|-------|---|------|----|-------|---|------|----|
|                 | Found                                | C | True | %R  | Found | C | True | %R | Found | C | True | %R |
| <b>Arsenic</b>  | 521                                  |   | 500  | 104 |       |   |      |    |       |   |      |    |
| <b>Barium</b>   | 2000                                 | J | 2000 | 100 |       |   |      |    |       |   |      |    |
| <b>Cadmium</b>  | 512                                  |   | 500  | 102 |       |   |      |    |       |   |      |    |
| <b>Chromium</b> | 2010                                 |   | 2000 | 100 |       |   |      |    |       |   |      |    |
| <b>Lead</b>     | 504                                  |   | 500  | 101 |       |   |      |    |       |   |      |    |
| <b>Selenium</b> | 508                                  |   | 500  | 102 |       |   |      |    |       |   |      |    |
| <b>Silver</b>   | 1010                                 |   | 1000 | 101 |       |   |      |    |       |   |      |    |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

ICV Source: MTHGICVW\_00457 Concentration Units: ug/L

CCV Source: MTHGCALW\_00295

| Analyte        | ICV 240-70435/7-A<br>12/29/2012 10:52 |   |      |    | CCVL 240-70435/10-A<br>12/29/2012 11:56 |   |      |    | CCV 240-70435/11-A<br>12/29/2012 12:14 |   |      |    |
|----------------|---------------------------------------|---|------|----|-----------------------------------------|---|------|----|----------------------------------------|---|------|----|
|                | Found                                 | C | True | %R | Found                                   | C | True | %R | Found                                  | C | True | %R |
| <b>Mercury</b> | 2.33                                  |   | 2.50 | 93 | 4.96                                    |   | 5.00 | 99 | 4.94                                   |   | 5.00 | 99 |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

ICV Source: MTHGICVW\_00452 Concentration Units: ug/L

CCV Source: MTHGCALW\_00293

| Analyte   | ICV 240-69493/7-A<br>12/20/2012 09:20 |   |      |    | CCVL 240-69493/10-A<br>12/20/2012 11:26 |   |      |    | CCV 240-69493/11-A<br>12/20/2012 14:22 |   |      |     |
|-----------|---------------------------------------|---|------|----|-----------------------------------------|---|------|----|----------------------------------------|---|------|-----|
|           | Found                                 | C | True | %R | Found                                   | C | True | %R | Found                                  | C | True | %R  |
| <b>Hg</b> | 2.38                                  |   | 2.50 | 95 | 4.89                                    |   | 5.00 | 98 | 5.00                                   |   | 5.00 | 100 |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

ICV Source: MTHGICVW\_00452 Concentration Units: ug/L

CCV Source: MTHGCALW\_00293

| Analyte   | CCV 240-69493/11-A<br>12/20/2012 14:48 |   |      |     | CCV 240-69493/11-A<br>12/20/2012 15:04 |   |      |     |       |   |      |    |
|-----------|----------------------------------------|---|------|-----|----------------------------------------|---|------|-----|-------|---|------|----|
|           | Found                                  | C | True | %R  | Found                                  | C | True | %R  | Found | C | True | %R |
| <b>Hg</b> | 5.02                                   |   | 5.00 | 100 | 5.03                                   |   | 5.00 | 101 |       |   |      |    |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.



2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

ICV Source: MICPMSICV\_00012 Concentration Units: ug/L

CCV Source: MCCV1X\_00031

| Analyte          | ICV 180-59694/5<br>12/28/2012 22:54 |   |       |     | CCV 180-59694/10<br>12/28/2012 23:21 |   |       |     | CCV 180-59694/58<br>12/29/2012 03:18 |   |       |    |
|------------------|-------------------------------------|---|-------|-----|--------------------------------------|---|-------|-----|--------------------------------------|---|-------|----|
|                  | Found                               | C | True  | %R  | Found                                | C | True  | %R  | Found                                | C | True  | %R |
| <b>Aluminum</b>  | 391                                 |   | 400   | 98  | 495                                  |   | 500   | 99  | 483                                  |   | 500   | 97 |
| <b>Antimony</b>  | 77.8                                |   | 80.0  | 97  | 93.2                                 |   | 100   | 93  | 95.7                                 |   | 100   | 96 |
| <b>Arsenic</b>   | 79.7                                |   | 80.0  | 100 | 95.9                                 |   | 100   | 96  | 96.2                                 |   | 100   | 96 |
| <b>Barium</b>    | 78.0                                |   | 80.0  | 97  | 92.5                                 |   | 100   | 93  | 97.0                                 |   | 100   | 97 |
| <b>Beryllium</b> | 77.9                                |   | 80.0  | 97  | 98.3                                 |   | 100   | 98  | 99.5                                 |   | 100   | 99 |
| <b>Cadmium</b>   | 80.3                                |   | 80.0  | 100 | 98.4                                 |   | 100   | 98  | 98.7                                 |   | 100   | 99 |
| <b>Calcium</b>   | 38300                               |   | 40000 | 96  | 47100                                |   | 50000 | 94  | 49100                                |   | 50000 | 98 |
| <b>Chromium</b>  | 79.8                                |   | 80.0  | 100 | 96.1                                 |   | 100   | 96  | 95.0                                 |   | 100   | 95 |
| <b>Cobalt</b>    | 77.8                                |   | 80.0  | 97  | 94.8                                 |   | 100   | 95  | 93.8                                 |   | 100   | 94 |
| <b>Copper</b>    | 79.1                                |   | 80.0  | 99  | 95.6                                 |   | 100   | 96  | 95.8                                 |   | 100   | 96 |
| <b>Iron</b>      | 19600                               |   | 20000 | 98  | 24200                                |   | 25000 | 97  | 24800                                |   | 25000 | 99 |
| <b>Lead</b>      | 77.8                                |   | 80.0  | 97  | 93.5                                 |   | 100   | 94  | 92.4                                 |   | 100   | 92 |
| <b>Magnesium</b> | 38200                               |   | 40000 | 95  | 48600                                |   | 50000 | 97  | 48200                                |   | 50000 | 96 |
| <b>Manganese</b> | 394                                 |   | 400   | 99  | 484                                  |   | 500   | 97  | 453                                  |   | 500   | 91 |
| <b>Nickel</b>    | 78.3                                |   | 80.0  | 98  | 95.3                                 |   | 100   | 95  | 94.8                                 |   | 100   | 95 |
| <b>Potassium</b> | 39100                               |   | 40000 | 98  | 46900                                |   | 50000 | 94  | 49000                                |   | 50000 | 98 |
| <b>Selenium</b>  | 81.1                                |   | 80.0  | 101 | 99.4                                 |   | 100   | 99  | 99.5                                 |   | 100   | 99 |
| <b>Silver</b>    | 78.4                                |   | 80.0  | 98  | 96.3                                 |   | 100   | 96  | 96.9                                 |   | 100   | 97 |
| <b>Sodium</b>    | 38600                               |   | 40000 | 96  | 47900                                |   | 50000 | 96  | 48300                                |   | 50000 | 97 |
| <b>Thallium</b>  | 80.2                                |   | 80.0  | 100 | 93.7                                 |   | 100   | 94  | 92.6                                 |   | 100   | 93 |
| <b>Vanadium</b>  | 77.1                                |   | 80.0  | 96  | 95.3                                 |   | 100   | 95  | 94.4                                 |   | 100   | 94 |
| <b>Zinc</b>      | 84.9                                |   | 80.0  | 106 | 101                                  |   | 100   | 101 | 97.8                                 |   | 100   | 98 |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

ICV Source: MICPMSICV\_00012 Concentration Units: ug/L

CCV Source: MCCV1X\_00031

| Analyte          | CCV 180-59694/70<br>12/29/2012 04:35 |   |       |     |       |   |      |    |       |   |      |    |
|------------------|--------------------------------------|---|-------|-----|-------|---|------|----|-------|---|------|----|
|                  | Found                                | C | True  | %R  | Found | C | True | %R | Found | C | True | %R |
| <b>Aluminum</b>  | 501                                  |   | 500   | 100 |       |   |      |    |       |   |      |    |
| <b>Antimony</b>  | 96.5                                 |   | 100   | 97  |       |   |      |    |       |   |      |    |
| <b>Arsenic</b>   | 98.5                                 |   | 100   | 98  |       |   |      |    |       |   |      |    |
| <b>Barium</b>    | 97.6                                 |   | 100   | 98  |       |   |      |    |       |   |      |    |
| <b>Beryllium</b> | 101                                  |   | 100   | 101 |       |   |      |    |       |   |      |    |
| <b>Cadmium</b>   | 99.9                                 |   | 100   | 100 |       |   |      |    |       |   |      |    |
| <b>Calcium</b>   | 51400                                |   | 50000 | 103 |       |   |      |    |       |   |      |    |
| <b>Chromium</b>  | 97.4                                 |   | 100   | 97  |       |   |      |    |       |   |      |    |
| <b>Cobalt</b>    | 96.3                                 |   | 100   | 96  |       |   |      |    |       |   |      |    |
| <b>Copper</b>    | 98.1                                 |   | 100   | 98  |       |   |      |    |       |   |      |    |
| <b>Iron</b>      | 25800                                |   | 25000 | 103 |       |   |      |    |       |   |      |    |
| <b>Lead</b>      | 93.2                                 |   | 100   | 93  |       |   |      |    |       |   |      |    |
| <b>Magnesium</b> | 50700                                |   | 50000 | 101 |       |   |      |    |       |   |      |    |
| <b>Manganese</b> | 456                                  |   | 500   | 91  |       |   |      |    |       |   |      |    |
| <b>Nickel</b>    | 96.9                                 |   | 100   | 97  |       |   |      |    |       |   |      |    |
| <b>Potassium</b> | 51200                                |   | 50000 | 102 |       |   |      |    |       |   |      |    |
| <b>Selenium</b>  | 104                                  |   | 100   | 104 |       |   |      |    |       |   |      |    |
| <b>Silver</b>    | 97.4                                 |   | 100   | 97  |       |   |      |    |       |   |      |    |
| <b>Sodium</b>    | 50000                                |   | 50000 | 100 |       |   |      |    |       |   |      |    |
| <b>Thallium</b>  | 93.5                                 |   | 100   | 93  |       |   |      |    |       |   |      |    |
| <b>Vanadium</b>  | 97.0                                 |   | 100   | 97  |       |   |      |    |       |   |      |    |
| <b>Zinc</b>      | 101                                  |   | 100   | 101 |       |   |      |    |       |   |      |    |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2B-IN  
CRQL CHECK STANDARD  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Method: 6010B/DOD Instrument ID: I9  
 Lab Sample ID: CRI 240-71033/6 Concentration Units: ug/L  
 CRQL Check Standard Source: MT6500CRIW\_00006

| Analyte  | CRQL Check Standard |       |            |       |        |
|----------|---------------------|-------|------------|-------|--------|
|          | True                | Found | Qualifiers | %R(1) | Limits |
| Silver   | 5.00                | 4.88  | J          | 98    | 80-120 |
| Arsenic  | 15.0                | 14.7  |            | 98    | 80-120 |
| Barium   | 10.0                | 10.1  | J          | 101   | 80-120 |
| Cadmium  | 5.00                | 5.15  |            | 103   | 80-120 |
| Chromium | 5.00                | 5.11  |            | 102   | 80-120 |
| Lead     | 10.0                | 10.2  |            | 102   | 80-120 |
| Selenium | 20.0                | 19.5  |            | 97    | 80-120 |

Lab Sample ID: CRI 240-71033/39 Concentration Units: ug/L  
 CRQL Check Standard Source: MT6500CRIW\_00006

| Analyte  | CRQL Check Standard |       |            |       |        |
|----------|---------------------|-------|------------|-------|--------|
|          | True                | Found | Qualifiers | %R(1) | Limits |
| Silver   | 5.00                | 4.81  | J          | 96    | 80-120 |
| Arsenic  | 15.0                | 15.3  |            | 102   | 80-120 |
| Barium   | 10.0                | 9.76  | J          | 98    | 80-120 |
| Cadmium  | 5.00                | 5.03  |            | 101   | 80-120 |
| Chromium | 5.00                | 5.05  |            | 101   | 80-120 |
| Lead     | 10.0                | 10.1  |            | 101   | 80-120 |
| Selenium | 20.0                | 19.3  |            | 96    | 80-120 |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN  
CRQL CHECK STANDARD  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Method: 7470A/DOD Instrument ID: H1  
Lab Sample ID: CRA 240-70435/9-A Concentration Units: ug/L  
CRQL Check Standard Source: MTHGCALW\_00295

| Analyte | CRQL Check Standard |       |            |       |        |
|---------|---------------------|-------|------------|-------|--------|
|         | True                | Found | Qualifiers | %R(1) | Limits |
| Mercury | 0.200               | 0.183 | J          | 92    |        |

Lab Sample ID: CRA 240-70435/9-A Concentration Units: ug/L  
CRQL Check Standard Source: MTHGCALW\_00295

| Analyte | CRQL Check Standard |       |            |       |        |
|---------|---------------------|-------|------------|-------|--------|
|         | True                | Found | Qualifiers | %R(1) | Limits |
| Mercury | 0.200               | 0.217 |            | 108   |        |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN  
CRQL CHECK STANDARD  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Method: 7470A/DOD Instrument ID: H4  
Lab Sample ID: CRA 240-69493/9-A Concentration Units: ug/L  
CRQL Check Standard Source: MTHGCALW\_00293

| Analyte | CRQL Check Standard |       |            |       |        |
|---------|---------------------|-------|------------|-------|--------|
|         | True                | Found | Qualifiers | %R(1) | Limits |
| Hg      | 0.200               | 0.200 |            | 100   |        |

Lab Sample ID: CRA 240-69493/9-A Concentration Units: ug/L  
CRQL Check Standard Source: MTHGCALW\_00293

| Analyte | CRQL Check Standard |       |            |       |        |
|---------|---------------------|-------|------------|-------|--------|
|         | True                | Found | Qualifiers | %R(1) | Limits |
| Hg      | 0.200               | 0.209 |            | 105   |        |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN  
CRQL CHECK STANDARD  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Method: 6020/DOD Instrument ID: M  
 Lab Sample ID: CRI 180-59694/7 Concentration Units: ug/L  
 CRQL Check Standard Source: MCRIX\_00024

| Analyte   | CRQL Check Standard |       |            |       |        |
|-----------|---------------------|-------|------------|-------|--------|
|           | True                | Found | Qualifiers | %R(1) | Limits |
| Silver    | 1.00                | 0.986 | J          | 99    | 80-120 |
| Aluminum  | 30.0                | 31.4  |            | 105   | 80-120 |
| Arsenic   | 1.00                | 1.06  |            | 106   | 80-120 |
| Barium    | 10.0                | 9.24  | J          | 92    | 80-120 |
| Beryllium | 1.00                | 0.955 | J          | 95    | 80-120 |
| Calcium   | 100                 | 102   |            | 102   | 80-120 |
| Cadmium   | 1.00                | 1.05  |            | 105   | 80-120 |
| Chromium  | 2.00                | 1.91  | J          | 96    | 80-120 |
| Cobalt    | 0.500               | 0.486 | J          | 97    | 80-120 |
| Copper    | 2.00                | 2.10  |            | 105   | 80-120 |
| Iron      | 50.0                | 59.0  |            | 118   | 80-120 |
| Magnesium | 100                 | 96.8  | J          | 97    | 80-120 |
| Manganese | 5.00                | 5.12  |            | 102   | 80-120 |
| Sodium    | 100                 | 97.1  | J          | 97    | 80-120 |
| Nickel    | 1.00                | 0.968 | J          | 97    | 80-120 |
| Lead      | 1.00                | 0.923 | J          | 92    | 80-120 |
| Antimony  | 2.00                | 1.87  | J          | 94    | 80-120 |
| Thallium  | 1.00                | 0.865 | J          | 87    | 80-120 |
| Vanadium  | 1.00                | 0.898 | J          | 90    | 80-120 |
| Zinc      | 5.00                | 5.83  |            | 117   | 80-120 |
| Potassium | 100                 | 92.3  | J          | 92    | 80-120 |
| Selenium  | 5.00                | 5.05  |            | 101   | 80-120 |

Lab Sample ID: CRI 180-59694/69 Concentration Units: ug/L  
 CRQL Check Standard Source: MCRIX\_00024

| Analyte   | CRQL Check Standard |       |            |       |        |
|-----------|---------------------|-------|------------|-------|--------|
|           | True                | Found | Qualifiers | %R(1) | Limits |
| Silver    | 1.00                | 0.937 | J          | 94    | 80-120 |
| Aluminum  | 30.0                | 32.3  |            | 108   | 80-120 |
| Arsenic   | 1.00                | 0.883 | J          | 88    | 80-120 |
| Barium    | 10.0                | 9.28  | J          | 93    | 80-120 |
| Beryllium | 1.00                | 0.909 | J          | 91    | 80-120 |
| Calcium   | 100                 | 108   |            | 108   | 80-120 |
| Cadmium   | 1.00                | 1.01  |            | 101   | 80-120 |
| Chromium  | 2.00                | 1.97  | J          | 99    | 80-120 |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN  
CRQL CHECK STANDARD  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Method: 6020/DOD Instrument ID: M  
 Lab Sample ID: CRI 180-59694/69 Concentration Units: ug/L  
 CRQL Check Standard Source: MCRIX\_00024

| Analyte   | CRQL Check Standard |       |            |       |        |
|-----------|---------------------|-------|------------|-------|--------|
|           | True                | Found | Qualifiers | %R(1) | Limits |
| Cobalt    | 0.500               | 0.495 | J          | 99    | 80-120 |
| Copper    | 2.00                | 2.12  |            | 106   | 80-120 |
| Iron      | 50.0                | 57.7  |            | 115   | 80-120 |
| Magnesium | 100                 | 98.6  | J          | 99    | 80-120 |
| Manganese | 5.00                | 5.42  |            | 108   | 80-120 |
| Sodium    | 100                 | 94.5  | J          | 95    | 80-120 |
| Nickel    | 1.00                | 0.970 | J          | 97    | 80-120 |
| Lead      | 1.00                | 0.873 | J          | 87    | 80-120 |
| Antimony  | 2.00                | 1.90  | J          | 95    | 80-120 |
| Thallium  | 1.00                | 0.825 | J          | 82    | 80-120 |
| Vanadium  | 1.00                | 0.942 | J          | 94    | 80-120 |
| Zinc      | 5.00                | 5.72  |            | 114   | 80-120 |
| Potassium | 100                 | 99.2  | J          | 99    | 80-120 |
| Selenium  | 5.00                | 4.99  | J          | 100   | 80-120 |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

| Analyte         | RL    | ICB 240-71033/5<br>01/03/2013 11:41 |   | CCB 240-71033/19<br>01/03/2013 12:36 |   | CCB 240-71033/31<br>01/03/2013 13:40 |   | CCB 240-71033/38<br>01/03/2013 14:13 |   |
|-----------------|-------|-------------------------------------|---|--------------------------------------|---|--------------------------------------|---|--------------------------------------|---|
|                 |       | Found                               | C | Found                                | C | Found                                | C | Found                                | C |
| <b>Arsenic</b>  | 10    | 10                                  | U | 10                                   | U | 10                                   | U | 10                                   | U |
| <b>Barium</b>   | 10000 | 5.0                                 | U | 5.0                                  | U | 5.0                                  | U | 5.0                                  | U |
| <b>Cadmium</b>  | 2.0   | 0.50                                | U | 0.50                                 | U | 0.50                                 | U | 0.50                                 | U |
| <b>Chromium</b> | 5.0   | 4.0                                 | U | 4.0                                  | U | 4.0                                  | U | 4.0                                  | U |
| <b>Lead</b>     | 5.0   | 5.0                                 | U | 5.0                                  | U | 5.0                                  | U | 5.0                                  | U |
| <b>Selenium</b> | 10    | 10                                  | U | 10                                   | U | 10                                   | U | 10                                   | U |
| <b>Silver</b>   | 5.0   | 4.0                                 | U | 4.0                                  | U | 4.0                                  | U | 4.0                                  | U |

Italicized analytes were not requested for this sequence.



3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

| Analyte        | RL   | ICB 240-70435/8-A<br>12/29/2012 10:53 |   | CCB 240-70435/12-A<br>12/29/2012 11:57 |   | CCB 240-70435/12-A<br>12/29/2012 12:16 |   |       |   |
|----------------|------|---------------------------------------|---|----------------------------------------|---|----------------------------------------|---|-------|---|
|                |      | Found                                 | C | Found                                  | C | Found                                  | C | Found | C |
| <b>Mercury</b> | 0.20 | 0.20                                  | U | 0.20                                   | U | 0.20                                   | U |       |   |

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

| Analyte   | RL   | ICB 240-69493/8-A<br>12/20/2012 09:22 |   | CCB 240-69493/12-A<br>12/20/2012 14:24 |   | CCB 240-69493/12-A<br>12/20/2012 14:50 |   | CCB 240-69493/12-A<br>12/20/2012 15:06 |   |
|-----------|------|---------------------------------------|---|----------------------------------------|---|----------------------------------------|---|----------------------------------------|---|
|           |      | Found                                 | C | Found                                  | C | Found                                  | C | Found                                  | C |
| <b>Hg</b> | 0.20 | 0.20                                  | U | 0.20                                   | U | 0.20                                   | U | 0.20                                   | U |

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

| Analyte   | RL   | ICB 180-59694/6<br>12/28/2012 23:01 |   | CCB1 180-59694/11<br>12/28/2012 23:29 |   | CCB5 180-59694/59<br>12/29/2012 03:26 |   | CCB6 180-59694/71<br>12/29/2012 04:43 |   |
|-----------|------|-------------------------------------|---|---------------------------------------|---|---------------------------------------|---|---------------------------------------|---|
|           |      | Found                               | C | Found                                 | C | Found                                 | C | Found                                 | C |
| Aluminum  | 30   | 5.0                                 | U | 5.0                                   | U | 5.0                                   | U | 5.0                                   | U |
| Antimony  | 2.0  | 0.90                                | U | 0.90                                  | U | 0.90                                  | U | 0.90                                  | U |
| Arsenic   | 1.0  | 0.50                                | U | 0.50                                  | U | 0.50                                  | U | 0.50                                  | U |
| Barium    | 10   | 0.15                                | U | 0.15                                  | U | 0.15                                  | U | 0.15                                  | U |
| Beryllium | 1.0  | 0.090                               | U | 0.090                                 | U | 0.090                                 | U | 0.090                                 | U |
| Cadmium   | 1.0  | 0.30                                | U | 0.30                                  | U | 0.30                                  | U | 0.30                                  | U |
| Calcium   | 100  | 20                                  | U | 20                                    | U | 20                                    | U | 20                                    | U |
| Chromium  | 2.0  | 1.0                                 | U | 1.0                                   | U | 1.0                                   | U | 1.0                                   | U |
| Cobalt    | 0.50 | 0.050                               | U | 0.050                                 | U | 0.050                                 | U | 0.050                                 | U |
| Copper    | 2.0  | 0.50                                | U | 0.50                                  | U | 0.50                                  | U | 0.50                                  | U |
| Iron      | 50   | 20                                  | U | 11.5                                  | J | 11.0                                  | J | 20                                    | U |
| Lead      | 1.0  | 0.30                                | U | 0.30                                  | U | 0.30                                  | U | 0.30                                  | U |
| Magnesium | 100  | 22                                  | U | 22                                    | U | 22                                    | U | 22                                    | U |
| Manganese | 5.0  | 0.30                                | U | 0.30                                  | U | 0.30                                  | U | 0.251                                 | J |
| Nickel    | 1.0  | 0.35                                | U | 0.35                                  | U | 0.35                                  | U | 0.35                                  | U |
| Potassium | 100  | 60                                  | U | 60                                    | U | 60                                    | U | 60                                    | U |
| Selenium  | 5.0  | 1.0                                 | U | 1.0                                   | U | 1.0                                   | U | 1.0                                   | U |
| Silver    | 1.0  | 0.20                                | U | 0.20                                  | U | 0.20                                  | U | 0.20                                  | U |
| Sodium    | 100  | 55                                  | U | 55                                    | U | 55                                    | U | 55                                    | U |
| Thallium  | 1.0  | 0.20                                | U | 0.20                                  | U | 0.20                                  | U | 0.20                                  | U |
| Vanadium  | 1.0  | 0.60                                | U | 0.60                                  | U | 0.60                                  | U | 0.60                                  | U |
| Zinc      | 5.0  | 2.0                                 | U | 2.0                                   | U | 2.0                                   | U | 2.0                                   | U |

Italicized analytes were not requested for this sequence.

3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Concentration Units: mg/L Lab Sample ID: MB 240-69405/2-A

Instrument Code: I9 Batch No.: 71033

| CAS No.   | Analyte  | Concentration | C | Q | Method   |
|-----------|----------|---------------|---|---|----------|
| 7440-22-4 | Silver   | 0.0050        | U |   | 6010_DOD |
| 7440-38-2 | Arsenic  | 0.010         | U |   | 6010_DOD |
| 7440-39-3 | Barium   | 0.0050        | U |   | 6010_DOD |
| 7440-43-9 | Cadmium  | 0.0010        | U |   | 6010_DOD |
| 7440-47-3 | Chromium | 0.0040        | U |   | 6010_DOD |
| 7439-92-1 | Lead     | 0.0050        | U |   | 6010_DOD |
| 7782-49-2 | Selenium | 0.010         | U |   | 6010_DOD |

3-IN  
METHOD BLANK  
METALS - TCLP

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Concentration Units: mg/L Lab Sample ID: LB 240-69294/1-D  
Instrument Code: I9 Batch No.: 71033

| CAS No.   | Analyte  | Concentration | C | Q | Method   |
|-----------|----------|---------------|---|---|----------|
| 7440-22-4 | Silver   | 0.0050        | U |   | 6010_DOD |
| 7440-38-2 | Arsenic  | 0.010         | U |   | 6010_DOD |
| 7440-39-3 | Barium   | 0.0050        | U |   | 6010_DOD |
| 7440-43-9 | Cadmium  | 0.0010        | U |   | 6010_DOD |
| 7440-47-3 | Chromium | 0.0040        | U |   | 6010_DOD |
| 7439-92-1 | Lead     | 0.0050        | U |   | 6010_DOD |
| 7782-49-2 | Selenium | 0.00689       | J |   | 6010_DOD |

3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Concentration Units: mg/L Lab Sample ID: MB 240-69409/2-A

Instrument Code: H4 Batch No.: 69665

| CAS No.   | Analyte | Concentration | C | Q | Method   |
|-----------|---------|---------------|---|---|----------|
| 7439-97-6 | Hg      | 0.00020       | U |   | 7470_DOD |

3-IN  
METHOD BLANK  
METALS - TCLP

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Concentration Units: mg/L Lab Sample ID: LB 240-69294/1-E  
Instrument Code: H4 Batch No.: 69665

| CAS No.   | Analyte | Concentration | C | Q | Method   |
|-----------|---------|---------------|---|---|----------|
| 7439-97-6 | Hg      | 0.00020       | U |   | 7470_DOD |

3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Concentration Units: ug/L Lab Sample ID: MB 240-70255/1-A

Instrument Code: H1 Batch No.: 70694

| CAS No.   | Analyte | Concentration | C | Q | Method   |
|-----------|---------|---------------|---|---|----------|
| 7439-97-6 | Mercury | 0.20          | U |   | 7470_DOD |



3-IN  
METHOD BLANK  
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Concentration Units: ug/L Lab Sample ID: MB 180-59308/1-A  
 Instrument Code: M Batch No.: 59694

| CAS No.   | Analyte   | Concentration | C | Q | Method   |
|-----------|-----------|---------------|---|---|----------|
| 7440-22-4 | Silver    | 0.20          | U |   | 6020_DoD |
| 7429-90-5 | Aluminum  | 6.47          | J |   | 6020_DoD |
| 7440-38-2 | Arsenic   | 0.50          | U |   | 6020_DoD |
| 7440-39-3 | Barium    | 0.15          | U | Q | 6020_DoD |
| 7440-41-7 | Beryllium | 0.090         | U |   | 6020_DoD |
| 7440-70-2 | Calcium   | 20            | U |   | 6020_DoD |
| 7440-43-9 | Cadmium   | 0.30          | U |   | 6020_DoD |
| 7440-47-3 | Chromium  | 1.0           | U |   | 6020_DoD |
| 7440-48-4 | Cobalt    | 0.050         | U | Q | 6020_DoD |
| 7440-50-8 | Copper    | 0.50          | U | Q | 6020_DoD |
| 7439-89-6 | Iron      | 19.2          | J |   | 6020_DoD |
| 7439-95-4 | Magnesium | 22            | U |   | 6020_DoD |
| 7439-96-5 | Manganese | 0.30          | U |   | 6020_DoD |
| 7440-23-5 | Sodium    | 55            | U |   | 6020_DoD |
| 7440-02-0 | Nickel    | 0.35          | U |   | 6020_DoD |
| 7439-92-1 | Lead      | 0.30          | U |   | 6020_DoD |
| 7440-36-0 | Antimony  | 0.90          | U |   | 6020_DoD |
| 7440-28-0 | Thallium  | 0.20          | U |   | 6020_DoD |
| 7440-62-2 | Vanadium  | 0.60          | U |   | 6020_DoD |
| 7440-66-6 | Zinc      | 2.0           | U | Q | 6020_DoD |
| 7440-09-7 | Potassium | 60            | U |   | 6020_DoD |
| 7782-49-2 | Selenium  | 1.0           | U | Q | 6020_DoD |

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICSA 240-71033/8 Instrument ID: I9  
 Lab File ID: I9010312A.asc ICS Source: MTTRICSAW\_00014  
 Concentration Units: ug/L

| Analyte           | True<br>Solution A | Found<br>Solution A | Percent<br>Recovery |
|-------------------|--------------------|---------------------|---------------------|
| <b>Arsenic</b>    |                    | <b>-1.89</b>        |                     |
| <b>Barium</b>     |                    | <b>0.395</b>        |                     |
| <b>Cadmium</b>    |                    | <b>0.975</b>        |                     |
| <b>Chromium</b>   |                    | <b>3.14</b>         |                     |
| <b>Lead</b>       |                    | <b>-1.11</b>        |                     |
| <b>Selenium</b>   |                    | <b>-2.33</b>        |                     |
| <b>Silver</b>     |                    | <b>-0.274</b>       |                     |
| <i>Aluminum</i>   | <i>500000</i>      | <i>518430</i>       | <i>104</i>          |
| <i>Antimony</i>   |                    | <i>0.895</i>        |                     |
| <i>Beryllium</i>  |                    | <i>-0.862</i>       |                     |
| <i>Calcium</i>    | <i>500000</i>      | <i>494310</i>       | <i>99</i>           |
| <i>Cobalt</i>     |                    | <i>-1.50</i>        |                     |
| <i>Copper</i>     |                    | <i>-1.76</i>        |                     |
| <i>Iron</i>       | <i>200000</i>      | <i>196170</i>       | <i>98</i>           |
| <i>Magnesium</i>  | <i>500000</i>      | <i>523430</i>       | <i>105</i>          |
| <i>Manganese</i>  |                    | <i>1.17</i>         |                     |
| <i>Molybdenum</i> |                    | <i>-1.74</i>        |                     |
| <i>Nickel</i>     |                    | <i>2.30</i>         |                     |
| <i>Potassium</i>  |                    | <i>-61.8</i>        |                     |
| <i>Sodium</i>     |                    | <i>108</i>          |                     |
| <i>Thallium</i>   |                    | <i>4.35</i>         |                     |
| <i>Vanadium</i>   |                    | <i>-1.29</i>        |                     |
| <i>Zinc</i>       |                    | <i>6.29</i>         |                     |

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICSAB 240-71033/9 Instrument ID: I9  
 Lab File ID: I9010312A.asc ICS Source: MT6500ICSAB2W\_00005  
 Concentration Units: ug/L

| Analyte           | True          | Found         | Percent<br>Recovery |
|-------------------|---------------|---------------|---------------------|
|                   | Solution AB   | Solution AB   |                     |
| <b>Arsenic</b>    | <b>1000</b>   | <b>1022</b>   | <b>102</b>          |
| <b>Barium</b>     | <b>500</b>    | <b>498</b>    | <b>100</b>          |
| <b>Cadmium</b>    | <b>1000</b>   | <b>1031</b>   | <b>103</b>          |
| <b>Chromium</b>   | <b>500</b>    | <b>482</b>    | <b>96</b>           |
| <b>Lead</b>       | <b>1000</b>   | <b>924</b>    | <b>92</b>           |
| <b>Selenium</b>   | <b>1000</b>   | <b>993</b>    | <b>99</b>           |
| <b>Silver</b>     | <b>1000</b>   | <b>1094</b>   | <b>109</b>          |
| <i>Aluminum</i>   | <i>500000</i> | <i>515020</i> | <i>103</i>          |
| <i>Antimony</i>   | <i>1000</i>   | <i>1026</i>   | <i>103</i>          |
| <i>Beryllium</i>  | <i>500</i>    | <i>499</i>    | <i>100</i>          |
| <i>Calcium</i>    | <i>500000</i> | <i>483930</i> | <i>97</i>           |
| <i>Cobalt</i>     | <i>500</i>    | <i>494</i>    | <i>99</i>           |
| <i>Copper</i>     | <i>500</i>    | <i>537</i>    | <i>107</i>          |
| <i>Iron</i>       | <i>200000</i> | <i>195870</i> | <i>98</i>           |
| <i>Magnesium</i>  | <i>500000</i> | <i>515320</i> | <i>103</i>          |
| <i>Manganese</i>  | <i>500</i>    | <i>497</i>    | <i>99</i>           |
| <i>Molybdenum</i> | <i>1000</i>   | <i>991</i>    | <i>99</i>           |
| <i>Nickel</i>     | <i>1000</i>   | <i>988</i>    | <i>99</i>           |
| <i>Potassium</i>  | <i>10000</i>  | <i>10321</i>  | <i>103</i>          |
| <i>Sodium</i>     | <i>10000</i>  | <i>10686</i>  | <i>107</i>          |
| <i>Thallium</i>   | <i>1000</i>   | <i>982</i>    | <i>98</i>           |
| <i>Vanadium</i>   | <i>500</i>    | <i>491</i>    | <i>98</i>           |
| <i>Zinc</i>       | <i>1000</i>   | <i>993</i>    | <i>99</i>           |

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICSA 180-59694/8 Instrument ID: M  
 Lab File ID: M21228A.xml ICS Source: MICSAX\_00023  
 Concentration Units: ug/L

| Analyte           | True<br>Solution A | Found<br>Solution A | Percent<br>Recovery |
|-------------------|--------------------|---------------------|---------------------|
| <b>Aluminum</b>   | <b>100000</b>      | <b>97270</b>        | <b>97</b>           |
| <b>Antimony</b>   |                    | <b>0.277</b>        |                     |
| <b>Arsenic</b>    |                    | <b>0.322</b>        |                     |
| <b>Barium</b>     |                    | <b>0.210</b>        |                     |
| <b>Beryllium</b>  |                    | <b>-0.0040</b>      |                     |
| <b>Cadmium</b>    |                    | <b>0.218</b>        |                     |
| <b>Calcium</b>    | <b>100000</b>      | <b>98790</b>        | <b>99</b>           |
| <b>Chromium</b>   |                    | <b>0.0190</b>       |                     |
| <b>Cobalt</b>     |                    | <b>0.135</b>        |                     |
| <b>Copper</b>     |                    | <b>1.53</b>         |                     |
| <b>Iron</b>       | <b>100000</b>      | <b>102800</b>       | <b>103</b>          |
| <b>Lead</b>       |                    | <b>0.160</b>        |                     |
| <b>Magnesium</b>  | <b>100000</b>      | <b>99060</b>        | <b>99</b>           |
| <b>Manganese</b>  |                    | <b>0.282</b>        |                     |
| <b>Nickel</b>     |                    | <b>0.215</b>        |                     |
| <b>Potassium</b>  | <b>100000</b>      | <b>98440</b>        | <b>98</b>           |
| <b>Selenium</b>   |                    | <b>1.15</b>         |                     |
| <b>Silver</b>     |                    | <b>0.0930</b>       |                     |
| <b>Sodium</b>     | <b>100000</b>      | <b>98080</b>        | <b>98</b>           |
| <b>Thallium</b>   |                    | <b>-0.0030</b>      |                     |
| <b>Vanadium</b>   |                    | <b>-0.358</b>       |                     |
| <b>Zinc</b>       |                    | <b>3.61</b>         |                     |
| <i>Boron</i>      |                    | <i>0.416</i>        |                     |
| <i>Molybdenum</i> | <i>2000</i>        | <i>2138</i>         | <i>107</i>          |
| <i>Silicon</i>    |                    | <i>29.6</i>         |                     |
| <i>Strontium</i>  |                    | <i>4.65</i>         |                     |
| <i>Tin</i>        |                    | <i>0.287</i>        |                     |
| <i>Titanium</i>   | <i>2000</i>        | <i>2124</i>         | <i>106</i>          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICSAB 180-59694/9 Instrument ID: M  
 Lab File ID: M21228A.xml ICS Source: MICSABX\_00026  
 Concentration Units: ug/L

| Analyte           | True          | Found        | Percent<br>Recovery |
|-------------------|---------------|--------------|---------------------|
|                   | Solution AB   | Solution AB  |                     |
| <b>Aluminum</b>   | <b>100000</b> | <b>94617</b> | <b>95</b>           |
| <b>Antimony</b>   | <b>20.0</b>   | <b>18.8</b>  | <b>94</b>           |
| <b>Arsenic</b>    | <b>20.0</b>   | <b>20.3</b>  | <b>101</b>          |
| <b>Barium</b>     | <b>20.0</b>   | <b>19.5</b>  | <b>98</b>           |
| <b>Beryllium</b>  | <b>20.0</b>   | <b>18.8</b>  | <b>94</b>           |
| <b>Cadmium</b>    | <b>20.0</b>   | <b>19.4</b>  | <b>97</b>           |
| <b>Calcium</b>    | <b>100000</b> | <b>96587</b> | <b>97</b>           |
| <b>Chromium</b>   | <b>20.0</b>   | <b>19.7</b>  | <b>98</b>           |
| <b>Cobalt</b>     | <b>20.0</b>   | <b>19.1</b>  | <b>95</b>           |
| <b>Copper</b>     | <b>20.0</b>   | <b>20.2</b>  | <b>101</b>          |
| <b>Iron</b>       | <b>100000</b> | <b>98603</b> | <b>99</b>           |
| <b>Lead</b>       | <b>20.0</b>   | <b>19.9</b>  | <b>100</b>          |
| <b>Magnesium</b>  | <b>100000</b> | <b>96100</b> | <b>96</b>           |
| <b>Manganese</b>  | <b>22.5</b>   | <b>20.3</b>  | <b>90</b>           |
| <b>Nickel</b>     | <b>20.0</b>   | <b>18.7</b>  | <b>93</b>           |
| <b>Potassium</b>  | <b>100000</b> | <b>95383</b> | <b>95</b>           |
| <b>Selenium</b>   | <b>50.0</b>   | <b>51.5</b>  | <b>103</b>          |
| <b>Silver</b>     | <b>20.0</b>   | <b>18.8</b>  | <b>94</b>           |
| <b>Sodium</b>     | <b>100000</b> | <b>96977</b> | <b>97</b>           |
| <b>Thallium</b>   | <b>20.0</b>   | <b>19.7</b>  | <b>99</b>           |
| <b>Vanadium</b>   | <b>20.0</b>   | <b>19.5</b>  | <b>98</b>           |
| <b>Zinc</b>       | <b>25.0</b>   | <b>23.3</b>  | <b>93</b>           |
| <i>Boron</i>      | <i>50.0</i>   | <i>44.9</i>  | <i>90</i>           |
| <i>Molybdenum</i> | <i>2000</i>   | <i>2062</i>  | <i>103</i>          |
| <i>Silicon</i>    | <i>500</i>    | <i>532</i>   | <i>106</i>          |
| <i>Strontium</i>  | <i>20.0</i>   | <i>23.6</i>  | <i>118</i>          |
| <i>Tin</i>        | <i>100</i>    | <i>94.8</i>  | <i>95</i>           |
| <i>Titanium</i>   | <i>2000</i>   | <i>2071</i>  | <i>104</i>          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN  
MATRIX SPIKE SAMPLE RECOVERY  
METALS - TCLP

Client ID: 070-0058-0001-IDW MS Lab ID: 240-18735-5 MS  
 Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Concentration Units: mg/L  
 % Solids: \_\_\_\_\_

| Analyte  | SSR     |   | Sample<br>Result (SR) |   | Spike<br>Added (SA) | %R  | Control<br>Limit<br>%R | Q | Method    |
|----------|---------|---|-----------------------|---|---------------------|-----|------------------------|---|-----------|
|          |         | C |                       | C |                     |     |                        |   |           |
| Silver   | 1.02    | J | 0.0050                | U | 1.00                | 102 | 80-120                 | D | 6010B/DOD |
| Arsenic  | 5.19    |   | 0.0044                | J | 5.00                | 104 | 80-120                 | D | 6010B/DOD |
| Barium   | 49.9    | J | 0.29                  | J | 50.0                | 99  | 80-120                 | D | 6010B/DOD |
| Cadmium  | 1.03    |   | 0.0016                | J | 1.00                | 103 | 80-120                 | D | 6010B/DOD |
| Chromium | 5.04    |   | 0.0024                | J | 5.00                | 101 | 80-120                 | D | 6010B/DOD |
| Lead     | 5.05    |   | 0.0090                | J | 5.00                | 101 | 80-120                 | D | 6010B/DOD |
| Selenium | 1.03    | J | 0.0066                | J | 1.00                | 103 | 80-120                 | D | 6010B/DOD |
| Hg       | 0.00526 |   | 0.00020               | U | 0.00500             | 105 | 50-150                 |   | 7470A/DOD |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN  
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY  
METALS - TCLP

Client ID: 070-0058-0001-IDW MSD Lab ID: 240-18735-5 MSD  
 Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Concentration Units: mg/L  
 % Solids: \_\_\_\_\_

| Analyte  | (SDR)<br>C | Spike<br>Added (SA) | %R  | Control<br>Limit<br>%R | RPD | RPD<br>Limit | Q | Method    |
|----------|------------|---------------------|-----|------------------------|-----|--------------|---|-----------|
| Silver   | 1.02 J     | 1.00                | 102 | 80-120                 | 1   | 20           | D | 6010B/DOD |
| Arsenic  | 5.18       | 5.00                | 103 | 80-120                 | 0   | 20           | D | 6010B/DOD |
| Barium   | 49.6 J     | 50.0                | 99  | 80-120                 | 0   | 20           | D | 6010B/DOD |
| Cadmium  | 1.03       | 1.00                | 102 | 80-120                 | 0   | 20           | D | 6010B/DOD |
| Chromium | 5.06       | 5.00                | 101 | 80-120                 | 1   | 20           | D | 6010B/DOD |
| Lead     | 5.04       | 5.00                | 101 | 80-120                 | 0   | 20           | D | 6010B/DOD |
| Selenium | 1.03 J     | 1.00                | 103 | 80-120                 | 0   | 20           | D | 6010B/DOD |
| Hg       | 0.00544    | 0.00500             | 109 | 50-150                 | 3   | 20           |   | 7470A/DOD |

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN  
POST DIGESTION SPIKE SAMPLE RECOVERY  
METALS - TCLP

Client ID: 070-0058-0001-IDW PDS

Lab ID: 240-18735-5 PDS

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

SDG No.:

Matrix: Solid

Concentration Units: mg/L

| Analyte  | SSR   |   | Sample<br>Result (SR) |   | Spike<br>Added (SA) | %R  | Control<br>Limit<br>%R | Q | Method    |
|----------|-------|---|-----------------------|---|---------------------|-----|------------------------|---|-----------|
|          |       | C |                       | C |                     |     |                        |   |           |
| Silver   | 0.111 | J | 0.0050                | U | 0.100               | 111 | 75-125                 |   | 6010B/DOD |
| Arsenic  | 0.329 | J | 0.0044                | J | 0.300               | 108 | 75-125                 |   | 6010B/DOD |
| Barium   | 0.340 | J | 0.29                  | J | 0.0500              | 102 | 75-125                 |   | 6010B/DOD |
| Cadmium  | 0.370 |   | 0.0016                | J | 0.350               | 105 | 75-125                 |   | 6010B/DOD |
| Chromium | 0.209 | J | 0.0024                | J | 0.200               | 103 | 75-125                 |   | 6010B/DOD |
| Lead     | 0.151 | J | 0.0090                | J | 0.150               | 95  | 75-125                 |   | 6010B/DOD |
| Selenium | 0.438 |   | 0.0066                | J | 0.400               | 108 | 75-125                 |   | 6010B/DOD |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.



7A-IN  
LAB CONTROL SAMPLE  
METALS

Lab ID: LCS 240-69405/3-A

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

Sample Matrix: Water

LCS Source: MTAGSPIKEW\_00024

| Analyte  | Water (mg/L) |        |   |     |        |     |   |           |
|----------|--------------|--------|---|-----|--------|-----|---|-----------|
|          | True         | Found  | C | %R  | Limits |     | Q | Method    |
| Silver   | 0.0500       | 0.0505 | J | 101 | 80     | 120 |   | 6010B/DOD |
| Arsenic  | 2.00         | 2.10   |   | 105 | 80     | 120 |   | 6010B/DOD |
| Barium   | 2.00         | 1.95   | J | 98  | 80     | 120 |   | 6010B/DOD |
| Cadmium  | 0.0500       | 0.0499 | J | 100 | 80     | 120 |   | 6010B/DOD |
| Chromium | 0.200        | 0.199  | J | 100 | 80     | 120 |   | 6010B/DOD |
| Lead     | 0.500        | 0.469  | J | 94  | 80     | 120 |   | 6010B/DOD |
| Selenium | 2.00         | 2.07   |   | 104 | 80     | 120 |   | 6010B/DOD |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN  
LAB CONTROL SAMPLE  
METALS

Lab ID: LCS 240-69409/3-A

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

Sample Matrix: Water

LCS Source: MTHGICVW\_00453

| Analyte | Water (mg/L) |         |   |     |        |     |   |           |
|---------|--------------|---------|---|-----|--------|-----|---|-----------|
|         | True         | Found   | C | %R  | Limits |     | Q | Method    |
| Hg      | 0.00500      | 0.00579 |   | 116 | 50     | 150 |   | 7470A/DOD |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN  
LAB CONTROL SAMPLE  
METALS

Lab ID: LCS 240-70255/2-A

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

Sample Matrix: Water

LCS Source: MTHGICVW\_00456

| Analyte | Water (ug/L) |       |   |    |        |     |   |           |
|---------|--------------|-------|---|----|--------|-----|---|-----------|
|         | True         | Found | C | %R | Limits |     | Q | Method    |
| Mercury | 5.00         | 4.89  |   | 98 | 80     | 120 |   | 7470A/DOD |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN  
LAB CONTROL SAMPLE  
METALS - TOTAL RECOVERABLE

Lab ID: LCS 180-59308/2-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18735-2

Sample Matrix: Water

LCS Source: MTAPITTICPMS\_00010

| Analyte   | Water (ug/L) |       |   |     |        |     |   |          |
|-----------|--------------|-------|---|-----|--------|-----|---|----------|
|           | True         | Found | C | %R  | Limits |     | Q | Method   |
| Silver    | 50.0         | 45.9  |   | 92  | 80     | 120 |   | 6020/DOD |
| Aluminum  | 2000         | 1830  |   | 92  | 80     | 120 |   | 6020/DOD |
| Arsenic   | 40.0         | 37.4  |   | 93  | 80     | 120 |   | 6020/DOD |
| Barium    | 2000         | 1760  |   | 88  | 80     | 120 | Q | 6020/DOD |
| Beryllium | 50.0         | 44.7  |   | 89  | 80     | 120 |   | 6020/DOD |
| Calcium   | 50000        | 47000 |   | 94  | 80     | 120 |   | 6020/DOD |
| Cadmium   | 50.0         | 46.3  |   | 93  | 80     | 120 |   | 6020/DOD |
| Chromium  | 200          | 182   |   | 91  | 80     | 120 |   | 6020/DOD |
| Cobalt    | 500          | 445   |   | 89  | 80     | 120 | Q | 6020/DOD |
| Copper    | 250          | 230   |   | 92  | 80     | 120 | Q | 6020/DOD |
| Iron      | 1000         | 989   |   | 99  | 80     | 120 |   | 6020/DOD |
| Magnesium | 50000        | 44900 |   | 90  | 80     | 120 |   | 6020/DOD |
| Manganese | 500          | 460   |   | 92  | 80     | 120 |   | 6020/DOD |
| Sodium    | 50000        | 41900 |   | 84  | 80     | 120 |   | 6020/DOD |
| Nickel    | 500          | 448   |   | 90  | 80     | 120 |   | 6020/DOD |
| Lead      | 20.0         | 17.6  |   | 88  | 80     | 120 |   | 6020/DOD |
| Antimony  | 500          | 442   |   | 88  | 80     | 120 |   | 6020/DOD |
| Thallium  | 50.0         | 43.0  |   | 86  | 80     | 120 |   | 6020/DOD |
| Vanadium  | 500          | 460   |   | 92  | 80     | 120 |   | 6020/DOD |
| Zinc      | 500          | 464   |   | 93  | 80     | 120 | Q | 6020/DOD |
| Potassium | 50000        | 45700 |   | 91  | 80     | 120 |   | 6020/DOD |
| Selenium  | 10.0         | 10.2  |   | 102 | 80     | 120 | Q | 6020/DOD |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN  
LAB CONTROL SAMPLE DUPLICATE  
METALS - TOTAL RECOVERABLE

Lab ID: LCSD 180-59308/3-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-18735-2

Sample Matrix: Water

LCS Source: MTAPITTICPMS\_00010

| Analyte   | (SDR) C | Spike Added | %R  | Control Limit %R | RPD | RPD Limit | Q | Method   |
|-----------|---------|-------------|-----|------------------|-----|-----------|---|----------|
| Silver    | 46.3    | 50.0        | 93  | 80-120           | 1   | 20        |   | 6020/DOD |
| Aluminum  | 1820    | 2000        | 91  | 80-120           | 1   | 20        |   | 6020/DOD |
| Arsenic   | 36.9    | 40.0        | 92  | 80-120           | 1   | 20        |   | 6020/DOD |
| Barium    | 1770    | 2000        | 88  | 80-120           | 0   | 20        | Q | 6020/DOD |
| Beryllium | 44.5    | 50.0        | 89  | 80-120           | 0   | 20        |   | 6020/DOD |
| Calcium   | 47300   | 50000       | 95  | 80-120           | 1   | 20        |   | 6020/DOD |
| Cadmium   | 46.2    | 50.0        | 92  | 80-120           | 0   | 20        |   | 6020/DOD |
| Chromium  | 184     | 200         | 92  | 80-120           | 1   | 20        |   | 6020/DOD |
| Cobalt    | 452     | 500         | 90  | 80-120           | 2   | 20        | Q | 6020/DOD |
| Copper    | 233     | 250         | 93  | 80-120           | 1   | 20        | Q | 6020/DOD |
| Iron      | 997     | 1000        | 100 | 80-120           | 1   | 20        |   | 6020/DOD |
| Magnesium | 45500   | 50000       | 91  | 80-120           | 1   | 20        |   | 6020/DOD |
| Manganese | 463     | 500         | 93  | 80-120           | 1   | 20        |   | 6020/DOD |
| Sodium    | 43200   | 50000       | 86  | 80-120           | 3   | 20        |   | 6020/DOD |
| Nickel    | 456     | 500         | 91  | 80-120           | 2   | 20        |   | 6020/DOD |
| Lead      | 17.9    | 20.0        | 89  | 80-120           | 2   | 20        |   | 6020/DOD |
| Antimony  | 438     | 500         | 88  | 80-120           | 1   | 20        |   | 6020/DOD |
| Thallium  | 43.7    | 50.0        | 87  | 80-120           | 2   | 20        |   | 6020/DOD |
| Vanadium  | 464     | 500         | 93  | 80-120           | 1   | 20        |   | 6020/DOD |
| Zinc      | 463     | 500         | 93  | 80-120           | 0   | 20        | Q | 6020/DOD |
| Potassium | 46300   | 50000       | 93  | 80-120           | 1   | 20        |   | 6020/DOD |
| Selenium  | 10.1    | 10.0        | 101 | 80-120           | 1   | 20        | Q | 6020/DOD |

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN  
ICP-AES AND ICP-MS SERIAL DILUTIONS  
METALS - TCLP

Lab ID: 240-18735-5

SDG No:

Lab Name: TestAmerica Canton

Job No: 240-18735-2

Matrix: Solid

Concentration Units: mg/L

| Analyte  | Initial Sample<br>Result (I) C |   | Serial<br>Dilution<br>Result (S) C |   | %<br>Difference | Q | Method    |
|----------|--------------------------------|---|------------------------------------|---|-----------------|---|-----------|
| Silver   | 0.0050                         | U | 0.025                              | U | NC              |   | 6010B/DOD |
| Arsenic  | 0.0044                         | J | 0.050                              | U | NC              |   | 6010B/DOD |
| Barium   | 0.29                           | J | 0.289                              | J | NC              | D | 6010B/DOD |
| Cadmium  | 0.0016                         | J | 0.0050                             | U | NC              |   | 6010B/DOD |
| Chromium | 0.0024                         | J | 0.020                              | U | NC              |   | 6010B/DOD |
| Lead     | 0.0090                         | J | 0.025                              | U | NC              |   | 6010B/DOD |
| Selenium | 0.0066                         | J | 0.050                              | U | NC              |   | 6010B/DOD |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN  
DETECTION LIMITS  
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: I9  
Method: 6010B/DOD DL Date: 02/22/2010 10:09  
Prep Method: 3010A  
Leach Method: 1311

| Analyte  | Wavelength/<br>Mass | LOQ<br>(mg/L) | DL<br>(ug/L) |
|----------|---------------------|---------------|--------------|
| Arsenic  | 189.042             | 0.5           | 3.28         |
| Barium   | 493.409             | 10            | 2.75         |
| Cadmium  | 226.502             | 0.1           | 0.39         |
| Chromium | 267.716             | 0.5           | 1.39         |
| Lead     | 220.353             | 0.5           | 1.72         |
| Selenium | 196.026             | 0.25          | 3.97         |
| Silver   | 328.068             | 0.5           | 1.74         |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: I9  
Method: 6010B/DOD XMDL Date: 02/22/2010 10:10

| Analyte  | Wavelength/<br>Mass | XRL<br>(ug/L) | XMDL<br>(ug/L) |
|----------|---------------------|---------------|----------------|
| Arsenic  | 189.042             | 10            | 3.28           |
| Barium   | 493.409             | 10000         | 2.75           |
| Cadmium  | 226.502             | 2             | 0.29           |
| Chromium | 267.716             | 5             | 1.39           |
| Lead     | 220.353             | 5             | 1.72           |
| Selenium | 196.026             | 10            | 3.97           |
| Silver   | 328.068             | 5             | 1.5            |



9-IN  
DETECTION LIMITS  
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: I9  
Method: 6010B/DOD DL Date: 02/22/2010 10:09  
Prep Method: 3010A  
Leach Method: 1311

| Analyte  | Wavelength/<br>Mass | LOQ<br>(mg/L) | DL<br>(ug/L) |
|----------|---------------------|---------------|--------------|
| Arsenic  | 189.042             | 0.5           | 3.28         |
| Barium   | 493.409             | 10            | 2.75         |
| Cadmium  | 226.502             | 0.1           | 0.39         |
| Chromium | 267.716             | 0.5           | 1.39         |
| Lead     | 220.353             | 0.5           | 1.72         |
| Selenium | 196.026             | 0.25          | 3.97         |
| Silver   | 328.068             | 0.5           | 1.74         |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: I9  
Method: 6010B/DOD XMDL Date: 02/22/2010 10:10

| Analyte  | Wavelength/<br>Mass | XRL<br>(ug/L) | XMDL<br>(ug/L) |
|----------|---------------------|---------------|----------------|
| Arsenic  | 189.042             | 10            | 3.28           |
| Barium   | 493.409             | 10000         | 2.75           |
| Cadmium  | 226.502             | 2             | 0.29           |
| Chromium | 267.716             | 5             | 1.39           |
| Lead     | 220.353             | 5             | 1.72           |
| Selenium | 196.026             | 10            | 3.97           |
| Silver   | 328.068             | 5             | 1.5            |

9-IN  
DETECTION LIMITS  
METALS

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: H1  
Method: 7470A/DOD DL Date: 02/16/2010 09:31  
Prep Method: 7470A

| Analyte | Wavelength/<br>Mass | LOQ<br>(ug/L) | DL<br>(ug/L) |
|---------|---------------------|---------------|--------------|
| Mercury | 253.7               | 0.2           | 0.12         |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: H1  
Method: 7470A/DOD XMDL Date: 02/16/2010 09:31

| Analyte | Wavelength/<br>Mass | XRL<br>(ug/L) | XMDL<br>(ug/L) |
|---------|---------------------|---------------|----------------|
| Mercury | 253.7               | 0.2           | 0.12           |

9-IN  
DETECTION LIMITS  
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: H4  
Method: 7470A/DOD DL Date: 02/16/2010 09:13  
Prep Method: 7470A  
Leach Method: 1311

| Analyte | Wavelength/<br>Mass | LOQ<br>(mg/L) | DL<br>(mg/L) |
|---------|---------------------|---------------|--------------|
| Hg      | 253.7               | 0.002         | 0.00012      |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: H4  
Method: 7470A/DOD XMDL Date: 02/16/2010 09:13

| Analyte | Wavelength/<br>Mass | XRL<br>(ug/L) | XMDL<br>(ug/L) |
|---------|---------------------|---------------|----------------|
| Hg      | 253.7               | 0.2           | 0.12           |

9-IN  
DETECTION LIMITS  
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: H4  
Method: 7470A/DOD DL Date: 02/16/2010 09:13  
Prep Method: 7470A  
Leach Method: 1311

| Analyte | Wavelength/<br>Mass | LOQ<br>(mg/L) | DL<br>(mg/L) |
|---------|---------------------|---------------|--------------|
| Hg      | 253.7               | 0.002         | 0.00012      |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: H4  
Method: 7470A/DOD XMDL Date: 02/16/2010 09:13

| Analyte | Wavelength/<br>Mass | XRL<br>(ug/L) | XMDL<br>(ug/L) |
|---------|---------------------|---------------|----------------|
| Hg      | 253.7               | 0.2           | 0.12           |



9-IN  
DETECTION LIMITS  
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job Number: 240-18735-2  
 SDG Number: \_\_\_\_\_  
 Matrix: Water Instrument ID: M  
 Method: 6020/DOD DL Date: 01/26/2010 16:35  
 Prep Method: 3005A

| Analyte   | Wavelength/<br>Mass | LOQ<br>(ug/L) | DL<br>(ug/L) |
|-----------|---------------------|---------------|--------------|
| Aluminum  | 27                  | 30            | 2.5662       |
| Antimony  | 121                 | 2             | 0.459        |
| Arsenic   | 75                  | 1             | 0.2908       |
| Barium    | 137                 | 10            | 0.098        |
| Beryllium | 9                   | 1             | 0.0451       |
| Cadmium   | 111                 | 1             | 0.132        |
| Calcium   | 44                  | 100           | 9.357        |
| Chromium  | 52                  | 2             | 0.5433       |
| Cobalt    | 59                  | 0.5           | 0.0263       |
| Copper    | 65                  | 2             | 0.2443       |
| Iron      | 56                  | 50            | 10.77        |
| Lead      | 208                 | 1             | 0.154        |
| Magnesium | 26                  | 100           | 10.8         |
| Manganese | 55                  | 5             | 0.159        |
| Nickel    | 60                  | 1             | 0.1749       |
| Potassium | 39                  | 100           | 31.6         |
| Selenium  | 82                  | 5             | 0.509        |
| Silver    | 107                 | 1             | 0.114        |
| Sodium    | 23                  | 100           | 26.8         |
| Thallium  | 205                 | 1             | 0.102        |
| Vanadium  | 51                  | 1             | 0.299        |
| Zinc      | 66                  | 5             | 0.9609       |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: M  
Method: 6020/DOD XMDL Date: 01/26/2010 16:35

| Analyte   | Wavelength/<br>Mass | XRL<br>(ug/L) | XMDL<br>(ug/L) |
|-----------|---------------------|---------------|----------------|
| Aluminum  | 27                  | 30            | 2.5662         |
| Antimony  | 121                 | 2             | 0.459          |
| Arsenic   | 75                  | 1             | 0.2908         |
| Barium    | 137                 | 10            | 0.098          |
| Beryllium | 9                   | 1             | 0.0451         |
| Cadmium   | 111                 | 1             | 0.132          |
| Calcium   | 44                  | 100           | 9.357          |
| Chromium  | 52                  | 2             | 0.5433         |
| Cobalt    | 59                  | 0.5           | 0.0263         |
| Copper    | 65                  | 2             | 0.2443         |
| Iron      | 56                  | 50            | 10.77          |
| Lead      | 208                 | 1             | 0.154          |
| Magnesium | 26                  | 100           | 10.8           |
| Manganese | 55                  | 5             | 0.159          |
| Nickel    | 60                  | 1             | 0.1749         |
| Potassium | 39                  | 100           | 31.6           |
| Selenium  | 82                  | 5             | 0.509          |
| Silver    | 107                 | 1             | 0.114          |
| Sodium    | 23                  | 100           | 26.8           |
| Thallium  | 205                 | 1             | 0.102          |
| Vanadium  | 51                  | 1             | 0.299          |
| Zinc      | 66                  | 5             | 0.9609         |

11-IN  
LINEAR RANGES  
METALS

Lab Name: TestAmerica Canton

Job No: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: I9

Date: 10/16/2012 17:26

| Analyte  | Integ.<br>Time<br>(Sec.) | Concentration<br>(ug/L) | Method    |
|----------|--------------------------|-------------------------|-----------|
| Silver   |                          | 2000                    | 6010B/DOD |
| Arsenic  |                          | 5000                    | 6010B/DOD |
| Barium   |                          | 25000                   | 6010B/DOD |
| Cadmium  |                          | 2000                    | 6010B/DOD |
| Chromium |                          | 20000                   | 6010B/DOD |
| Lead     |                          | 15000                   | 6010B/DOD |
| Selenium |                          | 10000                   | 6010B/DOD |

11-IN  
LINEAR RANGES  
METALS

Lab Name: TestAmerica Canton

Job No: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H1

Date: 04/01/2011 10:45

| Analyte | Integ.<br>Time<br>(Sec.) | Concentration<br>(ppb) | Method    |
|---------|--------------------------|------------------------|-----------|
| Mercury |                          | 10                     | 7470A/DOD |

11-IN  
LINEAR RANGES  
METALS

Lab Name: TestAmerica Canton

Job No: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H4

Date: 04/01/2011 10:50

| Analyte | Integ.<br>Time<br>(Sec.) | Concentration<br>(ppb) | Method    |
|---------|--------------------------|------------------------|-----------|
| Hg      |                          | 10                     | 7470A/DOD |

11-IN  
LINEAR RANGES  
METALS

Lab Name: TestAmerica Pittsburgh

Job No: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: M

Date: 03/14/2011 22:35

| Analyte   | Integ.<br>Time<br>(Sec.) | Concentration<br>(ug/L) | Method   |
|-----------|--------------------------|-------------------------|----------|
| Silver    |                          | 2500                    | 6020/DOD |
| Aluminum  |                          | 450000                  | 6020/DOD |
| Arsenic   |                          | 4500                    | 6020/DOD |
| Barium    |                          | 13500                   | 6020/DOD |
| Beryllium |                          | 9000                    | 6020/DOD |
| Calcium   |                          | 1500000                 | 6020/DOD |
| Cadmium   |                          | 13500                   | 6020/DOD |
| Chromium  |                          | 13500                   | 6020/DOD |
| Cobalt    |                          | 13500                   | 6020/DOD |
| Copper    |                          | 20000                   | 6020/DOD |
| Iron      |                          | 450000                  | 6020/DOD |
| Magnesium |                          | 1500000                 | 6020/DOD |
| Manganese |                          | 25000                   | 6020/DOD |
| Sodium    |                          | 450000                  | 6020/DOD |
| Nickel    |                          | 13500                   | 6020/DOD |
| Lead      |                          | 20000                   | 6020/DOD |
| Antimony  |                          | 13500                   | 6020/DOD |
| Thallium  |                          | 13500                   | 6020/DOD |
| Vanadium  |                          | 13500                   | 6020/DOD |
| Zinc      |                          | 25000                   | 6020/DOD |
| Potassium |                          | 450000                  | 6020/DOD |
| Selenium  |                          | 4500                    | 6020/DOD |

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Prep Method: 3010A

| Lab<br>Sample<br>ID | Preparation<br>Date | Prep<br>Batch | Initial<br>Weight | Initial<br>Volume<br>(mL) | Final<br>Volume<br>(mL) |
|---------------------|---------------------|---------------|-------------------|---------------------------|-------------------------|
| LB 240-69294/1-D    | 12/19/2012 12:05    | 69405         |                   | 50                        | 50                      |
| MB 240-69405/2-A    | 12/19/2012 12:05    | 69405         |                   | 50                        | 50                      |
| LCS 240-69405/3-A   | 12/19/2012 12:05    | 69405         |                   | 50                        | 50                      |
| 240-18735-5         | 12/19/2012 12:05    | 69405         |                   | 50                        | 50                      |
| 240-18735-5 MS      | 12/19/2012 12:05    | 69405         |                   | 50                        | 50                      |
| 240-18735-5 MSD     | 12/19/2012 12:05    | 69405         |                   | 50                        | 50                      |
| 240-18735-6         | 12/19/2012 12:05    | 69405         |                   | 12.5                      | 50                      |

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Prep Method: 7470A

| Lab<br>Sample<br>ID | Preparation<br>Date | Prep<br>Batch | Initial<br>Weight | Initial<br>Volume<br>(mL) | Final<br>Volume<br>(mL) |
|---------------------|---------------------|---------------|-------------------|---------------------------|-------------------------|
| LB 240-69294/1-E    | 12/20/2012 11:20    | 69409         |                   | 100                       | 100                     |
| MB 240-69409/2-A    | 12/20/2012 11:20    | 69409         |                   | 100                       | 100                     |
| LCS 240-69409/3-A   | 12/20/2012 11:20    | 69409         |                   | 100                       | 100                     |
| 240-18735-5         | 12/20/2012 11:20    | 69409         |                   | 100                       | 100                     |
| 240-18735-5 MS      | 12/20/2012 11:20    | 69409         |                   | 100                       | 100                     |
| 240-18735-5 MSD     | 12/20/2012 11:20    | 69409         |                   | 100                       | 100                     |
| 240-18735-6         | 12/20/2012 11:20    | 69409         |                   | 100                       | 100                     |



12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Prep Method: 7470A

| Lab<br>Sample<br>ID | Preparation<br>Date | Prep<br>Batch | Initial<br>Weight | Initial<br>Volume<br>(mL) | Final<br>Volume<br>(mL) |
|---------------------|---------------------|---------------|-------------------|---------------------------|-------------------------|
| MB 240-70255/1-A    | 12/27/2012 16:00    | 70255         |                   | 100                       | 100                     |
| LCS 240-70255/2-A   | 12/27/2012 16:00    | 70255         |                   | 100                       | 100                     |
| 240-18735-3         | 12/27/2012 16:00    | 70255         |                   | 100                       | 100                     |
| 240-18735-4         | 12/27/2012 16:00    | 70255         |                   | 100                       | 100                     |

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Prep Method: 3005A

| Lab<br>Sample<br>ID | Preparation<br>Date | Prep<br>Batch | Initial<br>Weight | Initial<br>Volume<br>(mL) | Final<br>Volume<br>(mL) |
|---------------------|---------------------|---------------|-------------------|---------------------------|-------------------------|
| MB 180-59308/1-A    | 12/24/2012 10:24    | 59308         |                   | 50                        | 50                      |
| LCS 180-59308/2-A   | 12/24/2012 10:24    | 59308         |                   | 50                        | 50                      |
| LCSD 180-59308/3-A  | 12/24/2012 10:24    | 59308         |                   | 50                        | 50                      |
| 240-18735-3         | 12/24/2012 10:24    | 59308         |                   | 50                        | 50                      |
| 240-18735-4         | 12/24/2012 10:24    | 59308         |                   | 50                        | 50                      |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: I9 Method: 6010B/DOD

Start Date: 01/03/2013 11:25 End Date: 01/03/2013 22:19

| Lab<br>Sample<br>ID   | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|
|                       |             |                  |       | A<br>g   | A<br>s | B<br>a | C<br>d | C<br>r | P<br>b | S<br>e |  |  |  |  |  |  |  |  |  |  |  |
| ICIS 240-71033/1      | 1           |                  | 11:25 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| CALSTD 240-71033/2 IC |             |                  | 11:29 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| CALSTD 240-71033/3 IC |             |                  | 11:33 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| ICV 240-71033/4       | 1           |                  | 11:37 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| ICB 240-71033/5       | 1           |                  | 11:41 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| CRI 240-71033/6       | 1           |                  | 11:45 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 11:49 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ICSA 240-71033/8      | 1           |                  | 11:53 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| ICSAB 240-71033/9     | 1           |                  | 11:57 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/10      |             |                  | 12:01 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/11      |             |                  | 12:05 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 12:09 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 12:13 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 12:17 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 12:21 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 12:25 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 12:29 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/18      | 1           |                  | 12:33 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/19      | 1           |                  | 12:36 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| LB 240-69294/1-D      | 1           | P                | 12:40 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| MB 240-69405/2-A      | 1           | T                | 12:45 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-69405/3-A     | 1           | T                | 12:49 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5           | 1           | P                | 12:52 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5 SD        | 5           | P                | 12:57 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 13:01 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 13:05 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5 MS        | 5           | P                | 13:11 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5 MSD       | 5           | P                | 13:15 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5 PDS       | 1           | P                | 13:32 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/30      | 1           |                  | 13:37 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/31      | 1           |                  | 13:40 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-6           | 1           | P                | 13:44 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 13:48 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 13:52 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 13:56 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 14:05 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/37      | 1           |                  | 14:09 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/38      | 1           |                  | 14:13 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| CRI 240-71033/39      | 1           |                  | 14:17 | X        | X      | X      | X      | X      | X      | X      |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 14:21 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ                |             |                  | 14:25 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/42      |             |                  | 14:29 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: I9 Method: 6010B/DOD

Start Date: 01/03/2013 11:25 End Date: 01/03/2013 22:19

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | A<br>g   | A<br>s | B<br>a | C<br>d | C<br>r | P<br>b | S<br>e |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/43    |             |                  | 14:49 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:53 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:58 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:02 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:06 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:10 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:14 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:18 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:22 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:26 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:30 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/54    |             |                  | 16:33 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/55    |             |                  | 16:37 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:41 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:45 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:49 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:53 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:56 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:00 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:04 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:08 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:12 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:16 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/66    |             |                  | 17:20 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/67    |             |                  | 17:23 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:27 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:31 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:35 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:39 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:43 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:48 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:52 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:56 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:59 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:03 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/78    |             |                  | 18:07 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/79    |             |                  | 18:11 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:15 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:19 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:23 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:27 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:31 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: I9 Method: 6010B/DOD

Start Date: 01/03/2013 11:25 End Date: 01/03/2013 22:19

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | A<br>g   | A<br>s | B<br>a | C<br>d | C<br>r | P<br>b | S<br>e |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:35 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:38 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:42 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:46 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:50 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/90    |             |                  | 18:54 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/91    |             |                  | 18:58 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:02 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:06 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:10 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:14 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:18 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:21 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:25 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:29 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:33 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:37 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/102   |             |                  | 19:41 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/103   |             |                  | 19:45 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:49 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:53 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:57 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:01 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:05 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:09 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:13 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:17 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:21 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:25 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/114   |             |                  | 20:29 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/115   |             |                  | 20:33 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:36 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:40 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:44 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:48 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:52 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 20:56 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:00 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:04 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:08 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:12 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/126   |             |                  | 21:16 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: I9 Method: 6010B/DOD

Start Date: 01/03/2013 11:25 End Date: 01/03/2013 22:19

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | A<br>g   | A<br>s | B<br>a | C<br>d | C<br>r | P<br>b | S<br>e |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/127   |             |                  | 21:20 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:24 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:28 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:32 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:36 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:40 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:44 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:48 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:52 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 21:56 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 22:00 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/138   |             |                  | 22:04 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/139   |             |                  | 22:08 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 22:12 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-71033/141   |             |                  | 22:16 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-71033/142   |             |                  | 22:19 |          |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

P = TCLP

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | H<br>g   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-70435/1-A    |             |                  | 10:42 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-70435/2-A    |             |                  | 10:44 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-70435/3-A    |             |                  | 10:45 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-70435/4-A    |             |                  | 10:47 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-70435/5-A    |             |                  | 10:49 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-70435/6-A    |             |                  | 10:50 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICV 240-70435/7-A   | 1           |                  | 10:52 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICB 240-70435/8-A   | 1           |                  | 10:53 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CRA 240-70435/9-A   | 1           |                  | 10:55 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCVL 240-70435/10-A | 1           |                  | 11:56 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  | 1           |                  | 11:57 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB 240-70255/1-A    | 1           | T                | 11:59 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-70255/2-A   | 1           | T                | 12:00 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:02 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:03 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:05 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:06 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-4         | 1           | T                | 12:08 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-3         | 1           | T                | 12:10 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CRA 240-70435/9-A   | 1           |                  | 12:12 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:13 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  | 1           |                  | 12:14 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  | 1           |                  | 12:16 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:19 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:20 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:21 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:23 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:24 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:26 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:28 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:30 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 12:33 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 12:34 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:36 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:37 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:39 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:41 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:42 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:44 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:45 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | H<br>g   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:47 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:49 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:51 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 12:52 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 12:54 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:55 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:57 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:59 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:00 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:01 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:03 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:04 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:06 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:07 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:09 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 13:10 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 13:12 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 13:14 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 13:16 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:18 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:20 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:21 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:23 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:24 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:26 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:28 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:29 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 13:32 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 13:33 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:36 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:37 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:39 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:40 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:42 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:44 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:45 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:47 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:48 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:50 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 13:51 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | H<br>g   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 13:53 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:54 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:56 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:58 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:59 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:01 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:03 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:04 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CRA 240-70435/9-A   |             |                  | 14:06 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 14:07 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 14:08 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 14:10 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 14:11 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:13 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:14 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:16 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:19 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:20 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:21 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:23 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:24 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:25 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 14:27 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 14:29 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:30 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:32 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:33 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:35 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:37 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:38 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:40 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:41 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:42 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:44 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 14:45 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 14:47 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:48 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:49 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:51 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:53 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:54 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | H<br>g   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:56 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:57 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:58 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:00 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:02 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 15:03 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 15:04 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:06 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:07 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:09 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:11 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:12 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:13 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:14 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:16 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:19 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 15:21 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 15:22 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:24 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:25 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:26 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:28 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:30 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:32 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:34 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:35 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:37 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 15:38 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 15:39 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:41 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70435/11-A  |             |                  | 15:43 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70435/12-A  |             |                  | 15:44 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | H<br>g   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-69493/1-A    |             |                  | 09:06 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-69493/2-A    |             |                  | 09:09 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-69493/3-A    |             |                  | 09:11 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-69493/4-A    |             |                  | 09:12 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-69493/5-A    |             |                  | 09:15 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IC 240-69493/6-A    |             |                  | 09:18 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICV 240-69493/7-A   | 1           |                  | 09:20 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICB 240-69493/8-A   | 1           |                  | 09:22 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CRA 240-69493/9-A   | 1           |                  | 09:24 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCVL 240-69493/10-A | 1           |                  | 11:26 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 11:29 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:33 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:35 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:38 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:41 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:43 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:45 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:47 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:49 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:51 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 11:54 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 11:56 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:58 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:00 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:02 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:03 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:05 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:07 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:09 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:11 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:13 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:15 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 12:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 12:19 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:21 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:23 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:25 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:27 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:29 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:32 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:34 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | H<br>g   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:36 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:38 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:40 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 12:41 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 12:44 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:46 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:47 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:50 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:52 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:54 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:56 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:58 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:00 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:01 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:04 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 13:06 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 13:08 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:10 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:12 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:14 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:16 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:18 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:21 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:23 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:25 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:26 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:28 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 13:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 13:33 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:34 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:36 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:38 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:40 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:42 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:44 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:46 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:48 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:50 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:52 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 13:54 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 13:56 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:58 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | H<br>g   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:00 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:02 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:04 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:06 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:08 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:10 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:12 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:14 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  | 1           |                  | 14:22 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  | 1           |                  | 14:24 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:27 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:29 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:33 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:35 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:37 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:39 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:41 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LB 240-69294/1-E    | 1           | P                | 14:43 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB 240-69409/2-A    | 1           | T                | 14:45 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  | 1           |                  | 14:48 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  | 1           |                  | 14:50 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-69409/3-A   | 1           | T                | 14:52 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5         | 1           | P                | 14:54 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5 MS      | 1           | P                | 14:56 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5 MSD     | 1           | P                | 14:57 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-6         | 1           | P                | 15:00 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CRA 240-69493/9-A   | 1           |                  | 15:01 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  | 1           |                  | 15:04 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  | 1           |                  | 15:06 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 15:34 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 15:36 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:39 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:40 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:43 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:45 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:46 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:49 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:51 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:52 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 15:59 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | H<br>g   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 16:01 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:03 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:04 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:06 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:09 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:11 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:13 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:15 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:19 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:21 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 16:24 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 16:26 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:28 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:30 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:32 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:34 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:36 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:38 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:40 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:42 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:44 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:46 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 16:48 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 16:50 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:51 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:54 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:55 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:57 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:59 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:01 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:04 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:06 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:08 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:10 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 17:12 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 17:15 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:19 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:21 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:24 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:26 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | H<br>g   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:28 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:30 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:32 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:35 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:37 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 17:39 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 17:41 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:43 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:46 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:48 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:50 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:52 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:54 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:56 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:57 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:00 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:02 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 18:04 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 18:06 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:08 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:10 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:12 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:14 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:16 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:18 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:20 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:22 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:25 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:27 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 18:29 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 18:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:33 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:35 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:38 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:39 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:41 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:45 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:47 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:49 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:51 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:53 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 18:55 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | H<br>g   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 18:57 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:59 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:01 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:03 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:05 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:07 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:09 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:11 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:13 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:15 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 19:19 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 19:21 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:24 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:26 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:28 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:33 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:36 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:38 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 19:41 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69493/11-A  |             |                  | 19:43 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69493/12-A  |             |                  | 19:45 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

P = TCLP

T = Total/NA



13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|
|                     |             |                  |       | A<br>g   | A<br>l | A<br>s | B<br>a | B<br>e | C<br>a | C<br>d | C<br>o | C<br>r | C<br>u | F<br>e | K | M<br>g | M<br>n | N<br>a | N<br>i | P<br>b | S<br>b | S<br>e | T<br>l |
| ITUNE 180-59694/1   |             |                  | 15:41 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| STD1 180-59694/2 IC | 1           |                  | 22:40 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      | X      |
| STD2 180-59694/3 IC | 1           |                  | 22:45 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      | X      |
| STD3 180-59694/4 IC | 1           |                  | 22:50 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      | X      |
| ICV 180-59694/5     | 1           |                  | 22:54 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      | X      |
| ICB 180-59694/6     | 1           |                  | 23:01 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      | X      |
| CRI 180-59694/7     | 1           |                  | 23:06 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      | X      |
| ICSA 180-59694/8    | 1           |                  | 23:10 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      | X      |
| ICSAB 180-59694/9   | 1           |                  | 23:14 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      | X      |
| CCV 180-59694/10    | 1           |                  | 23:21 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      | X      |
| CCB1 180-59694/11   | 1           |                  | 23:29 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      | X      |
| ZZZZZZ              |             |                  | 23:33 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 23:37 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 23:42 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 23:46 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 23:50 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 23:55 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 23:59 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 00:03 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 00:08 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 00:12 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCV 180-59694/22    |             |                  | 00:19 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCB2 180-59694/23   |             |                  | 00:27 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 00:31 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 00:36 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 00:40 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 00:44 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 00:49 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 00:53 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 00:57 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 01:01 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 01:06 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 01:10 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCV 180-59694/34    |             |                  | 01:17 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCB3 180-59694/35   |             |                  | 01:25 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 01:30 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 01:34 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 01:38 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 01:43 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 01:47 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 01:51 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 01:59 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|
|                     |             |                  |       | A<br>g   | A<br>l | A<br>s | B<br>a | B<br>e | C<br>a | C<br>d | C<br>o | C<br>r | C<br>u | F<br>e | K | M<br>g | M<br>n | N<br>a | N<br>i | P<br>b | S<br>b | S<br>e | T<br>l |
| ZZZZZZ              |             |                  | 02:03 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 02:08 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 02:12 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCV 180-59694/46    |             |                  | 02:19 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCB4 180-59694/47   |             |                  | 02:27 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 02:32 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 02:36 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 02:40 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 02:45 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 02:49 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 02:53 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 02:58 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 03:02 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 03:06 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 03:11 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCV 180-59694/58    | 1           |                  | 03:18 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      |        |
| CCB5 180-59694/59   | 1           |                  | 03:26 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      |        |
| ZZZZZZ              |             |                  | 03:33 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 03:37 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| MB 180-59308/1-A    | 1           | R                | 03:45 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      |        |
| LCS 180-59308/2-A   | 1           | R                | 03:50 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      |        |
| LCSD 180-59308/3-A  | 1           | R                | 03:54 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      |        |
| ZZZZZZ              |             |                  | 03:58 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 04:03 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| 240-18735-3         | 1           | R                | 04:07 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      |        |
| 240-18735-4         | 1           | R                | 04:11 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      |        |
| CRI 180-59694/69    | 1           |                  | 04:27 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      |        |
| CCV 180-59694/70    | 1           |                  | 04:35 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      |        |
| CCB6 180-59694/71   | 1           |                  | 04:43 | X        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X | X      | X      | X      | X      | X      | X      | X      |        |
| ZZZZZZ              |             |                  | 04:47 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 04:51 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 04:55 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 05:00 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 05:04 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 05:08 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 05:13 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 05:17 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 05:21 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 05:26 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCV 180-59694/82    |             |                  | 05:33 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCB7 180-59694/83   |             |                  | 05:40 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 05:45 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|
|                     |             |                  |       | A<br>g   | A<br>l | A<br>s | B<br>a | B<br>e | C<br>a | C<br>d | C<br>o | C<br>r | C<br>u | F<br>e | K | M<br>g | M<br>n | N<br>a | N<br>i | P<br>b | S<br>b | S<br>e | T<br>l |
| ZZZZZZ              |             |                  | 05:49 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 05:53 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 05:58 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 06:02 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 06:06 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 06:11 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 06:15 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 06:19 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 06:24 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCV 180-59694/94    |             |                  | 06:31 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCB8 180-59694/95   |             |                  | 06:38 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 06:43 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 06:47 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 06:51 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 06:56 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 07:00 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 07:08 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 07:12 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 07:17 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 07:21 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 07:25 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 07:30 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCV 180-59694/107   |             |                  | 07:37 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCB9 180-59694/108  |             |                  | 07:44 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 07:49 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 07:53 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 07:57 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 08:02 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 08:06 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 08:10 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 08:15 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 08:19 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 08:23 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 08:28 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCV 180-59694/119   |             |                  | 08:35 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| CCB10 180-59694/120 |             |                  | 08:42 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 08:47 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 08:51 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 08:59 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 09:03 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 09:08 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 09:12 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |        |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|
|                     |             |                  |       | A<br>g   | A<br>l | A<br>s | B<br>a | B<br>e | C<br>a | C<br>d | C<br>o | C<br>r | C<br>u | F<br>e | K | M<br>g | M<br>n | N<br>a | N<br>i | P<br>b | S<br>b | S<br>e |
| ZZZZZZ              |             |                  | 09:16 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 09:21 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 09:25 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 09:29 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| CCV 180-59694/131   |             |                  | 09:37 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| CCB11 180-59694/132 |             |                  | 09:44 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 09:48 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 09:53 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 09:57 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 10:01 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 10:06 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 10:10 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 10:14 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 10:19 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 10:23 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| ZZZZZZ              |             |                  | 10:27 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| CCV 180-59694/143   |             |                  | 10:35 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |
| CCB12 180-59694/144 |             |                  | 10:42 |          |        |        |        |        |        |        |        |        |        |        |   |        |        |        |        |        |        |        |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | V        | Z<br>n |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ITUNE 180-59694/1   |             |                  | 15:41 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STD1 180-59694/2 IC | 1           |                  | 22:40 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STD2 180-59694/3 IC | 1           |                  | 22:45 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STD3 180-59694/4 IC | 1           |                  | 22:50 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICV 180-59694/5     | 1           |                  | 22:54 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICB 180-59694/6     | 1           |                  | 23:01 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CRI 180-59694/7     | 1           |                  | 23:06 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICSA 180-59694/8    | 1           |                  | 23:10 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICSAB 180-59694/9   | 1           |                  | 23:14 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/10    | 1           |                  | 23:21 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB1 180-59694/11   | 1           |                  | 23:29 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 23:33 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 23:37 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 23:42 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 23:46 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 23:50 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 23:55 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 23:59 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 00:03 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 00:08 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 00:12 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/22    |             |                  | 00:19 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB2 180-59694/23   |             |                  | 00:27 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 00:31 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 00:36 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 00:40 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 00:44 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 00:49 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 00:53 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 00:57 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 01:01 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 01:06 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 01:10 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/34    |             |                  | 01:17 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB3 180-59694/35   |             |                  | 01:25 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 01:30 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 01:34 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 01:38 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 01:43 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 01:47 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 01:51 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 01:59 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | V        | Z<br>n |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 02:03 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 02:08 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 02:12 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/46    |             |                  | 02:19 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB4 180-59694/47   |             |                  | 02:27 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 02:32 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 02:36 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 02:40 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 02:45 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 02:49 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 02:53 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 02:58 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 03:02 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 03:06 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 03:11 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/58    | 1           |                  | 03:18 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB5 180-59694/59   | 1           |                  | 03:26 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 03:33 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 03:37 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB 180-59308/1-A    | 1           | R                | 03:45 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 180-59308/2-A   | 1           | R                | 03:50 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCSD 180-59308/3-A  | 1           | R                | 03:54 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 03:58 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 04:03 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-3         | 1           | R                | 04:07 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-4         | 1           | R                | 04:11 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CRI 180-59694/69    | 1           |                  | 04:27 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/70    | 1           |                  | 04:35 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB6 180-59694/71   | 1           |                  | 04:43 | X        | X      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 04:47 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 04:51 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 04:55 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:00 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:04 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:08 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:13 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:17 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:21 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:26 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/82    |             |                  | 05:33 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB7 180-59694/83   |             |                  | 05:40 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:45 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | V        | Z<br>n |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:49 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:53 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 05:58 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 06:02 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 06:06 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 06:11 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 06:15 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 06:19 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 06:24 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/94    |             |                  | 06:31 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB8 180-59694/95   |             |                  | 06:38 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 06:43 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 06:47 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 06:51 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 06:56 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:00 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:08 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:12 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:17 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:21 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:25 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:30 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/107   |             |                  | 07:37 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB9 180-59694/108  |             |                  | 07:44 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:49 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:53 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:57 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:02 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:06 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:10 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:15 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:19 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:23 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:28 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/119   |             |                  | 08:35 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB10 180-59694/120 |             |                  | 08:42 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:47 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:51 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:59 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:03 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:08 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:12 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | V        | Z<br>n |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:16 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:21 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:25 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:29 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/131   |             |                  | 09:37 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB11 180-59694/132 |             |                  | 09:44 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:48 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:53 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:57 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 10:01 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 10:06 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 10:10 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 10:14 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 10:19 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 10:23 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 10:27 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 180-59694/143   |             |                  | 10:35 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB12 180-59694/144 |             |                  | 10:42 |          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

R = Total Recoverable



15-IN  
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

ICP-MS Instrument ID: M Start Date: 12/28/2012 End Date: 12/29/2012

| Lab Sample ID       | Time  | Internal Standards %RI For: |   |               |   |                 |   |                   |   |               |   |
|---------------------|-------|-----------------------------|---|---------------|---|-----------------|---|-------------------|---|---------------|---|
|                     |       | Element<br>Li-6             | Q | Element<br>Sc | Q | Element<br>Y-89 | Q | Element<br>Rh-103 | Q | Element<br>In | Q |
| STD1 180-59694/2 IC | 22:40 | 100                         |   | 100           |   | 100             |   | 100               |   | 100           |   |
| STD2 180-59694/3 IC | 22:45 | 106                         |   | 114           |   | 109             |   | 97                |   | 106           |   |
| STD3 180-59694/4 IC | 22:50 | 110                         |   | 115           |   | 114             |   | 111               |   | 114           |   |
| ICV 180-59694/5     | 22:54 | 107                         |   | 111           |   | 116             |   | 102               |   | 106           |   |
| ICB 180-59694/6     | 23:01 | 100                         |   | 114           |   | 104             |   | 103               |   | 104           |   |
| CRI 180-59694/7     | 23:06 | 100                         |   | 106           |   | 99              |   | 98                |   | 100           |   |
| ICSA 180-59694/8    | 23:10 | 81                          |   | 85            |   | 86              |   | 81                |   | 93            |   |
| ICSAB 180-59694/9   | 23:14 | 81                          |   | 86            |   | 91              |   | 82                |   | 95            |   |
| CCV 180-59694/10    | 23:21 | 81                          |   | 91            |   | 95              |   | 85                |   | 94            |   |
| CCB1 180-59694/11   | 23:29 | 86                          |   | 93            |   | 96              |   | 95                |   | 98            |   |
| CCV 180-59694/58    | 03:18 | 92                          |   | 96            |   | 92              |   | 82                |   | 83            |   |
| CCB5 180-59694/59   | 03:26 | 104                         |   | 101           |   | 91              |   | 92                |   | 86            |   |
| MB 180-59308/1-A    | 03:45 | 107                         |   | 108           |   | 95              |   | 96                |   | 89            |   |
| LCS 180-59308/2-A   | 03:50 | 94                          |   | 85            |   | 80              |   | 76                |   | 77            |   |
| LCSD 180-59308/3-A  | 03:54 | 98                          |   | 87            |   | 81              |   | 77                |   | 78            |   |
| 240-18735-3         | 04:07 | 95                          |   | 83            |   | 79              |   | 77                |   | 76            |   |
| 240-18735-4         | 04:11 | 98                          |   | 83            |   | 78              |   | 81                |   | 76            |   |
| CRI 180-59694/69    | 04:27 | 106                         |   | 96            |   | 86              |   | 89                |   | 82            |   |
| CCV 180-59694/70    | 04:35 | 96                          |   | 95            |   | 87              |   | 80                |   | 78            |   |
| CCB6 180-59694/71   | 04:43 | 112                         |   | 107           |   | 91              |   | 91                |   | 83            |   |

15-IN  
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY  
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

ICP-MS Instrument ID: M Start Date: 12/28/2012 End Date: 12/29/2012

| Lab Sample ID       | Time  | Internal Standards %RI For: |   |            |   |            |   |         |   |         |   |
|---------------------|-------|-----------------------------|---|------------|---|------------|---|---------|---|---------|---|
|                     |       | Element Tb                  | Q | Element Ho | Q | Element Bi | Q | Element | Q | Element | Q |
| STD1 180-59694/2 IC | 22:40 | 100                         |   | 100        |   | 100        |   |         |   |         |   |
| STD2 180-59694/3 IC | 22:45 | 106                         |   | 106        |   | 89         |   |         |   |         |   |
| STD3 180-59694/4 IC | 22:50 | 112                         |   | 111        |   | 107        |   |         |   |         |   |
| ICV 180-59694/5     | 22:54 | 107                         |   | 107        |   | 92         |   |         |   |         |   |
| ICB 180-59694/6     | 23:01 | 104                         |   | 103        |   | 103        |   |         |   |         |   |
| CRI 180-59694/7     | 23:06 | 99                          |   | 99         |   | 99         |   |         |   |         |   |
| ICSA 180-59694/8    | 23:10 | 93                          |   | 93         |   | 84         |   |         |   |         |   |
| ICSAB 180-59694/9   | 23:14 | 95                          |   | 94         |   | 83         |   |         |   |         |   |
| CCV 180-59694/10    | 23:21 | 96                          |   | 96         |   | 86         |   |         |   |         |   |
| CCB1 180-59694/11   | 23:29 | 99                          |   | 100        |   | 101        |   |         |   |         |   |
| CCV 180-59694/58    | 03:18 | 82                          |   | 82         |   | 76         |   |         |   |         |   |
| CCB5 180-59694/59   | 03:26 | 85                          |   | 85         |   | 92         |   |         |   |         |   |
| MB 180-59308/1-A    | 03:45 | 87                          |   | 87         |   | 93         |   |         |   |         |   |
| LCS 180-59308/2-A   | 03:50 | 81                          |   | 81         |   | 74         |   |         |   |         |   |
| LCSD 180-59308/3-A  | 03:54 | 82                          |   | 82         |   | 73         |   |         |   |         |   |
| 240-18735-3         | 04:07 | 79                          |   | 79         |   | 76         |   |         |   |         |   |
| 240-18735-4         | 04:11 | 79                          |   | 79         |   | 82         |   |         |   |         |   |
| CRI 180-59694/69    | 04:27 | 81                          |   | 81         |   | 85         |   |         |   |         |   |
| CCV 180-59694/70    | 04:35 | 79                          |   | 78         |   | 71         |   |         |   |         |   |
| CCB6 180-59694/71   | 04:43 | 81                          |   | 81         |   | 88         |   |         |   |         |   |

Sample Name: Blank      Acquired: 1/3/2013 11:25:43      Type: Cal  
Method: Standard Method + IEC Checks(v73)      Mode: IR      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg    | -.00104  | .00233   | .00039   | .00095   | .01997   | -.00196  | .00758   |
| Stddev | .00008   | .00025   | .00034   | .00007   | .00067   | .00028   | .00064   |
| %RSD   | 7.9109   | 10.703   | 86.926   | 7.4212   | 3.3379   | 14.318   | 8.4578   |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg    | .0008    | .00085   | .00014   | -.00061  | .00078   | .00127   | .00545   |
| Stddev | .0002    | .00026   | .00005   | .00007   | .00010   | .00126   | .00140   |
| %RSD   | 27.29    | 30.855   | 37.076   | 12.135   | 12.878   | 99.614   | 25.766   |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mg2790   | Mn2576   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   |
| IS Ref | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) |
| Units  | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg    | .00005   | .00017   | -.00028  | -.00073  | .00274   | -.00042  | .0007    |
| Stddev | .00011   | .00004   | .00019   | .00192   | .00031   | .00039   | .0001    |
| %RSD   | 205.76   | 24.180   | 67.664   | 261.47   | 11.382   | 92.422   | 11.25    |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Se1960   | Sn1899   | Ti3372   | Tl1908   | V_2908   | Zn2062   | Si2516   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (In2306) | (Y_3710) | (In2306) | (Y_3710) |
| Units  | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg    | .00004   | .00011   | .00024   | -.00075  | .00001   | .00077   | .00123   |
| Stddev | .00005   | .00009   | .00011   | .00016   | .00047   | .00003   | .00030   |
| %RSD   | 111.78   | 81.099   | 45.795   | 20.731   | 4823.6   | 3.7980   | 24.527   |

|        |          |
|--------|----------|
| Elem   | Sr3464   |
| IS Ref | (Y_3710) |
| Units  | Cts/S    |
| Avg    | -.00033  |
| Stddev | .00059   |
| %RSD   | 182.01   |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6609.8 | 4703.0 | 58060. | 9880.3 |
| Stddev    | 8.8    | 9.0    | 168.   | 24.9   |
| %RSD      | .13305 | .19094 | .28932 | .25165 |

Sample Name: SCAL1      Acquired: 1/3/2013 11:29:42      Type: Cal  
Method: Standard Method + IEC Checks(v73)      Mode: IR      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |              |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|
| Elem   | Ag3280        | As1890        | B_1826        | Ba4554        | Be3130        | Cd2288       | Co2286        | Cr2677        |
| IS Ref | (Y_3600)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_2243)     | (In2306)      | (Y_3600)      |
| Units  | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S        | Cts/S         | Cts/S         |
| Avg    | <b>.85794</b> | <b>.15384</b> | <b>7.4184</b> | <b>24.817</b> | <b>30.532</b> | <b>3.455</b> | <b>4.9909</b> | <b>1.6008</b> |
| Stddev | .00206        | .00023        | .0178         | .325          | .376          | .018         | .0314         | .0004         |
| %RSD   | .24015        | .14739        | .23954        | 1.3083        | 1.2326        | .5242        | .63023        | .02358        |

|        |               |               |               |               |               |               |              |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|
| Elem   | Cu3273        | Li6707        | Mn2576        | Mo2020        | Ni2316        | Pb2203        | Sb2175       | Se1960        |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_3600)      | (Y_2243)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      |
| Units  | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S        | Cts/S         |
| Avg    | <b>1.0653</b> | <b>12.499</b> | <b>8.5091</b> | <b>5.8043</b> | <b>2.9961</b> | <b>.48816</b> | <b>.2322</b> | <b>.14737</b> |
| Stddev | .0022         | .025          | .0504         | .0417         | .0184         | .00177        | .0010        | .00035        |
| %RSD   | .20324        | .20095        | .59190        | .71829        | .61500        | .36174        | .4156        | .23738        |

|        |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Sn1899        | Ti3372        | Tl1908        | V_2908        | Zn2062        | Sr3464        |
| IS Ref | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg    | <b>3.3492</b> | <b>9.0413</b> | <b>.37909</b> | <b>.84408</b> | <b>6.0744</b> | <b>1.6992</b> |
| Stddev | .0271         | .0901         | .00264        | .00183        | .0355         | .0025         |
| %RSD   | .80849        | .99682        | .69652        | .21693        | .58513        | .14584        |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6322.9</b> | <b>4617.3</b> | <b>57545.</b> | <b>9934.5</b> |
| Stddev    | 7.2           | 4.5           | 27.           | 38.0          |
| %RSD      | .11327        | .09692        | .04713        | .38234        |

Sample Name: SCAL2      Acquired: 1/3/2013 11:33:58      Type: Cal  
Method: Standard Method + IEC Checks(v73)      Mode: IR      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Al3082        | Ca3179        | Fe2599        | K_7664        | Mg2790        | Na5895        | Si2516        |
| IS Ref | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg    | <b>1.4142</b> | <b>24.283</b> | <b>10.741</b> | <b>5.1731</b> | <b>2.1366</b> | <b>19.100</b> | <b>.72381</b> |
| Stddev | .0013         | .189          | .022          | .0140         | .0051         | .022          | .00099        |
| %RSD   | .09275        | .77678        | .20052        | .27046        | .24022        | .11743        | .13636        |

|           |               |
|-----------|---------------|
| Int. Std. | Y_3710        |
| Units     | Cts/S         |
| Avg       | <b>9698.4</b> |
| Stddev    | 31.1          |
| %RSD      | .32091        |

Sample Name: ICV      Acquired: 1/3/2013 11:37:54      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 776.60   | 12289.   | 378.89   | 1523.6   | 1544.9   | 1558.2   | 25845.   | 379.9    |
| Stddev | 2.28     | 31.      | .93      | 4.3      | 2.3      | .6       | 58.      | .3       |
| %RSD   | .29324   | .25263   | .24531   | .28044   | .14870   | .03685   | .22390   | .0770    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1503.4   | 1512.0   | 1523.1   | 12556.   | 24352.   | 1013.0   | 25115.   | 1554.4   |
| Stddev | 1.5      | 1.1      | 2.0      | 2.       | 97.      | 1.0      | 47.      | 4.5      |
| %RSD   | .10095   | .06976   | .12842   | .01798   | .39750   | .10347   | .18883   | .28719   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1507.8   | 25038.   | 1506.7   | 373.61   | 378.5    | 379.52   | 1514.7   | 1564.9   |
| Stddev | 2.1      | 13.      | 1.3      | 1.64     | 1.3      | 1.71     | 2.6      | 3.3      |
| %RSD   | .13633   | .04999   | .08723   | .43846   | .3336    | .44993   | .17101   | .21073   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: ICV      Acquired: 1/3/2013 11:37:54      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>761.87</b> | <b>1530.8</b> | <b>1522.2</b> | <b>3161.8</b> | <b>4471.0</b> |
| Stddev | 1.90          | 1.2           | 1.7           | 21.6          | 11.3          |
| %RSD   | .24903        | .08005        | .10990        | .68367        | .25342        |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6234.0</b> | <b>4585.2</b> | <b>56531.</b> | <b>9846.0</b> |
| Stddev    | 3.1           | 4.1           | 98.           | 32.6          |
| %RSD      | .04947        | .08912        | .17411        | .33071        |

Sample Name: ICB      Acquired: 1/3/2013 11:41:34      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |                |               |               |               |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280        | Al3082         | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)      | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-27525</b> | <b>-3.2530</b> | <b>.11622</b> | <b>8.3372</b> | <b>.06227</b> | <b>.12233</b> | <b>2.2268</b> | <b>-.0132</b> |
| Stddev | .10944        | 13.681         | 1.2758        | .6705         | .10521        | .04634        | .7085         | .0406         |
| %RSD   | 39.759        | 420.58         | 1097.8        | 8.0429        | 168.97        | 37.881        | 31.816        | 307.3         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |                |               |                |               |
|--------|---------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664         | Li6707        | Mg2790         | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3710)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb            | ppb           | ppb            | ppb           |
| Avg    | <b>.10788</b> | <b>.06635</b> | <b>-.51846</b> | <b>1.1838</b> | <b>-23.208</b> | <b>1.3072</b> | <b>-1.1403</b> | <b>.06698</b> |
| Stddev | .07191        | .16737        | .30333         | .7580         | 13.528         | .4884         | 14.168         | .01126        |
| %RSD   | 66.656        | 252.27        | 58.505         | 64.030        | 58.288         | 37.360        | 1242.4         | 16.804        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |                |                |                |              |               |               |               |
|--------|---------------|----------------|----------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895         | Ni2316         | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)       | (In2306)       | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb            | ppb            | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.56978</b> | <b>-1.1352</b> | <b>-.36485</b> | <b>-.70620</b> | <b>.1927</b> | <b>.97239</b> | <b>.75046</b> | <b>.49965</b> |
| Stddev | .09692        | 12.889         | .51391         | .92465         | .4711        | .37333        | .22486        | .09137        |
| %RSD   | 17.010        | 1135.4         | 140.86         | 130.93         | 244.5        | 38.393        | 29.963        | 18.286        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: ICB      Acquired: 1/3/2013 11:41:34      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |                |                |               |
|--------|---------------|----------------|----------------|----------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062         | Si2516         | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)       | (Y_3710)       | (Y_3710)      |
| Units  | ppb           | ppb            | ppb            | ppb            | ppb           |
| Avg    | <b>.45998</b> | <b>-.04123</b> | <b>-.02643</b> | <b>-1.9221</b> | <b>.31556</b> |
| Stddev | 1.0088        | 1.6529         | .04276         | 1.4381         | 1.6812        |
| %RSD   | 219.31        | 4008.7         | 161.77         | 74.817         | 532.77        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6564.6</b> | <b>4636.6</b> | <b>57716.</b> | <b>9816.4</b> |
| Stddev    | 10.9          | 3.1           | 141.          | 40.4          |
| %RSD      | .16531        | .06775        | .24425        | .41193        |

Sample Name: CRI      Acquired: 1/3/2013 11:45:35      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 4.8820   | 210.68   | 14.656   | 206.42   | 10.055   | 5.1106   | 5136.0   | 5.149    |
| Stddev | .1414    | 18.21    | 1.046    | .21      | .242     | .0633    | 9.8      | .158     |
| %RSD   | 2.8959   | 8.6423   | 7.1373   | .09977   | 2.4036   | 1.2380   | .19080   | 3.072    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 5.0465   | 5.1058   | 15.085   | 321.57   | 4802.4   | 51.901   | 5170.4   | 15.856   |
| Stddev | .1591    | .1202    | .092     | 1.92     | 16.6     | .245     | 26.8     | .077     |
| %RSD   | 3.1525   | 2.3549   | .61183   | .59861   | .34508   | .47146   | .51924   | .48387   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 10.298   | 4954.0   | 25.097   | 10.249   | 10.65    | 19.480   | 99.084   | 51.398   |
| Stddev | .124     | 17.8     | .278     | .451     | .91      | 2.071    | .357     | .229     |
| %RSD   | 1.1997   | .35831   | 1.1059   | 4.4036   | 8.522    | 10.632   | .36059   | .44486   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CRI      Acquired: 1/3/2013 11:45:35      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>16.173</b> | <b>5.7612</b> | <b>39.871</b> | <b>530.44</b> | <b>55.826</b> |
| Stddev | .470          | 1.0164        | .073          | 4.10          | 3.929         |
| %RSD   | 2.9035        | 17.642        | .18309        | .77249        | 7.0383        |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6486.1</b> | <b>4637.1</b> | <b>57532.</b> | <b>9899.5</b> |
| Stddev    | 5.7           | 1.2           | 121.          | 13.8          |
| %RSD      | .08755        | .02608        | .21076        | .13916        |

Sample Name: CRILL      Acquired: 1/3/2013 11:49:26      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>4.9705</b> | <b>206.45</b> | <b>10.706</b> | <b>210.03</b> | <b>205.10</b> | <b>5.1618</b> | <b>5279.7</b> |
| Stddev | .5094         | 9.28          | .375          | .75           | .16           | .0350         | 3.6           |
| %RSD   | 10.248        | 4.4951        | 3.5051        | .35916        | .07836        | .67803        | .06799        |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2.121</b> | <b>7.1367</b> | <b>5.2907</b> | <b>26.055</b> | <b>107.67</b> | <b>4869.6</b> | <b>49.945</b> |
| Stddev | .175         | .0331         | .2835         | .427          | 1.64          | 19.4          | .728          |
| %RSD   | 8.248        | .46446        | 5.3591        | 1.6385        | 1.5196        | .39935        | 1.4571        |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |              |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>5261.3</b> | <b>16.078</b> | <b>10.568</b> | <b>5026.5</b> | <b>41.420</b> | <b>2.9577</b> | <b>11.43</b> |
| Stddev | 43.6          | .069          | .219          | 10.6          | .271          | .3789         | 2.11         |
| %RSD   | .82866        | .43172        | 2.0706        | .21155        | .65365        | 12.810        | 18.50        |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |

Sample Name: CRILL      Acquired: 1/3/2013 11:49:26      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                 |               |               |               |               |               |               |
|--------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960          | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)        | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb             | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>F 6.6631</b> | <b>101.47</b> | <b>52.520</b> | <b>10.495</b> | <b>8.2275</b> | <b>20.214</b> | <b>519.88</b> |
| Stddev | .5697           | .57           | .116          | .777          | 1.0878        | .109          | 4.89          |
| %RSD   | 8.5501          | .56179        | .22140        | 7.3997        | 13.222        | .54130        | .94117        |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 5.0000   |          |          |          |          |          |          |
| Range   | 30.500%  |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>51.720</b> |
| Stddev | 3.084         |
| %RSD   | 5.9636        |

|         |          |
|---------|----------|
| Check ? | Chk Pass |
| Value   |          |
| Range   |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6448.2</b> | <b>4595.2</b> | <b>57146.</b> | <b>9809.1</b> |
| Stddev    | 4.6           | 5.2           | 70.           | 20.8          |
| %RSD      | .07198        | .11248        | .12256        | .21255        |

Sample Name: ICSEA      Acquired: 1/3/2013 11:53:19      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |                |                |                |               |               |                |                |
|--------|----------------|----------------|----------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082         | As1890         | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb            | ppb            | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.27359</b> | <b>518430.</b> | <b>-1.8859</b> | <b>1.7761</b> | <b>.39495</b> | <b>-.86167</b> | <b>494310.</b> |
| Stddev | .00738         | 523.           | 1.7604         | .1777         | .16335        | .04269         | 2251.          |
| %RSD   | 2.6987         | .10085         | 93.344         | 10.005        | 41.361        | 4.9539         | .45531         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

*Water  
molv  
= 1.0  
OK*

|        |              |                |               |                |                |                |                |
|--------|--------------|----------------|---------------|----------------|----------------|----------------|----------------|
| Elem   | Cd2288       | Co2286         | Cr2677        | Cu3273         | Fe2599         | K_7664         | Li6707         |
| IS Ref | (Y_2243)     | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)       | (Y_3710)       | (Y_3710)       |
| Units  | ppb          | ppb            | ppb           | ppb            | ppb            | ppb            | ppb            |
| Avg    | <b>.9750</b> | <b>-1.4971</b> | <b>3.1372</b> | <b>-1.7643</b> | <b>196170.</b> | <b>-61.767</b> | <b>-30.760</b> |
| Stddev | .0791        | .2864          | .2857         | .5689          | 1758.          | 45.949         | .626           |
| %RSD   | 8.114        | 19.130         | 9.1081        | 32.246         | .89636         | 74.391         | 2.0356         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |                |               |                |               |               |                |              |
|--------|----------------|---------------|----------------|---------------|---------------|----------------|--------------|
| Elem   | Mg2790         | Mn2576        | Mo2020         | Na5895        | Ni2316        | Pb2203         | Sb2175       |
| IS Ref | (Y_3710)       | (Y_3600)      | (Y_2243)       | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb            | ppb          |
| Avg    | <b>523430.</b> | <b>1.1679</b> | <b>-1.7437</b> | <b>107.72</b> | <b>2.2993</b> | <b>-1.1081</b> | <b>.8947</b> |
| Stddev | 624.           | .0342         | .1420          | 4.56          | .1373         | 2.2747         | 2.467        |
| %RSD   | .11922         | 2.9294        | 8.1444         | 4.2355        | 5.9693        | 205.28         | 275.8        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: ICSA      Acquired: 1/3/2013 11:53:19      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |                |               |                |               |                |               |                |
|--------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|
| Elem   | Se1960         | Sn1899        | Ti3372         | Ti1908        | V_2908         | Zn2062        | Si2516         |
| IS Ref | (Y_2243)       | (In2306)      | (Y_3600)       | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb            | ppb           | ppb            |
| Avg    | <b>-2.3334</b> | <b>2.7169</b> | <b>-.62834</b> | <b>4.3497</b> | <b>-1.2893</b> | <b>6.2860</b> | <b>-6.2079</b> |
| Stddev | 2.0130         | .6267         | .09954         | .8190         | 2.5437         | .1211         | 3.5307         |
| %RSD   | 86.270         | 23.065        | 15.843         | 18.829        | 197.29         | 1.9273        | 56.874         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>12.240</b> |
| Stddev | 5.938         |
| %RSD   | 48.515        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5386.8</b> | <b>4167.9</b> | <b>50779.</b> | <b>9507.3</b> |
| Stddev    | 4.7           | 2.6           | 93.           | 11.7          |
| %RSD      | .08706        | .06318        | .18386        | .12297        |

Sample Name: ICSAB      Acquired: 1/3/2013 11:57:23      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1094.3   | 515020.  | 1022.0   | 514.86   | 498.38   | 499.05   | 483930.  |
| Stddev | 2.2      | 903.     | 2.9      | 1.77     | .29      | .21      | 1049.    |
| %RSD   | .20322   | .17534   | .28793   | .34338   | .05902   | .04116   | .21676   |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1031.    | 494.20   | 482.11   | 537.37   | 195870.  | 10321.   | 521.25   |
| Stddev | 2.       | .41      | .98      | 1.01     | 1036.    | 26.      | .63      |
| %RSD   | .2121    | .08365   | .20317   | .18833   | .52875   | .25079   | .12073   |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mg2790   | Mn2576   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   |
| IS Ref | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 515320.  | 497.24   | 990.57   | 10686.   | 987.90   | 923.64   | 1026.    |
| Stddev | 887.     | .45      | 1.62     | 22.      | .41      | 1.43     | 6.       |
| %RSD   | .17219   | .09141   | .16392   | .20161   | .04153   | .15494   | .5543    |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |



Sample Name: ICSAB      Acquired: 1/3/2013 11:57:23      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>992.60</b> | <b>509.73</b> | <b>522.29</b> | <b>982.14</b> | <b>491.22</b> | <b>992.87</b> | <b>10084.</b> |
| Stddev | 4.79          | .78           | .37           | 2.86          | 1.48          | .89           | 38.           |
| %RSD   | .48221        | .15397        | .07126        | .29080        | .30229        | .08980        | .38096        |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>1475.5</b> |
| Stddev | 3.8           |
| %RSD   | .25779        |

|         |          |
|---------|----------|
| Check ? | Chk Pass |
| Value   |          |
| Range   |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5335.5</b> | <b>4141.9</b> | <b>50640.</b> | <b>9445.6</b> |
| Stddev    | 3.3           | 3.0           | 102.          | 46.8          |
| %RSD      | .06209        | .07351        | .20108        | .49529        |

Sample Name: CCV      Acquired: 1/3/2013 12:01:19      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1007.8   | 25085.   | 520.90   | 5120.1   | 2019.0   | 2045.5   | 50969.   | 513.3    |
| Stddev | 2.9      | 28.      | 1.71     | .8       | 4.0      | 4.8      | 37.      | 1.2      |
| %RSD   | .29087   | .11220   | .32756   | .01550   | .19577   | .23439   | .07288   | .2263    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2012.5   | 1994.0   | 2003.4   | 25502.   | 49469.   | 5125.2   | 50363.   | 2020.1   |
| Stddev | .7       | 4.4      | 6.7      | 34.      | 82.      | 8.6      | 61.      | 8.3      |
| %RSD   | .03233   | .22259   | .33317   | .13269   | .16561   | .16851   | .12096   | .40900   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2050.2   | 50186.   | 2010.9   | 503.18   | 509.7    | 507.69   | 5033.2   | 5126.3   |
| Stddev | 4.2      | 72.      | 1.8      | 1.73     | 2.2      | 1.48     | 14.4     | 36.8     |
| %RSD   | .20705   | .14333   | .08976   | .34315   | .4274    | .29166   | .28522   | .71847   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 12:01:19      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1029.4   | 2020.9   | 2032.4   | 5372.9   | 4992.2   |
| Stddev | 3.6      | 5.6      | .2       | 58.3     | 4.2      |
| %RSD   | .34582   | .27666   | .01003   | 1.0847   | .08405   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6012.6 | 4465.2 | 55047. | 9671.4 |
| Stddev    | 4.9    | 3.1    | 148.   | 34.8   |
| %RSD      | .08109 | .07028 | .26950 | .35937 |

Sample Name: CCB      Acquired: 1/3/2013 12:05:06      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.08308</b> | <b>2.6085</b> | <b>.68629</b> | <b>8.0207</b> | <b>.26958</b> | <b>.10140</b> | <b>15.144</b> | <b>-.0513</b> |
| Stddev | .07940         | 15.306        | .73484        | .6731         | .06678        | .06544        | 1.579         | .1149         |
| %RSD   | 95.572         | 586.76        | 107.07        | 8.3914        | 24.774        | 64.536        | 10.425        | 223.8         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |                |               |               |               |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.07844</b> | <b>.11511</b> | <b>-.09348</b> | <b>6.0333</b> | <b>5.9785</b> | <b>3.5463</b> | <b>11.921</b> | <b>.04547</b> |
| Stddev | .15189         | .35535        | .59827         | .7948         | 3.0685        | 1.3258        | 11.563        | .00366        |
| %RSD   | 193.63         | 308.69        | 639.98         | 13.173        | 51.325        | 37.386        | 96.996        | 8.0476        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |               |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.67909</b> | <b>20.773</b> | <b>.34280</b> | <b>.24739</b> | <b>1.310</b> | <b>1.7369</b> | <b>.65560</b> | <b>1.2064</b> |
| Stddev | .07867        | 9.352         | .33279        | .17847        | .663         | .7478         | .41935        | .2258         |
| %RSD   | 11.585        | 45.020        | 97.079        | 72.142        | 50.65        | 43.057        | 63.964        | 18.718        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 12:05:06      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |                |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|
| Elem   | Tl1908         | V_2908        | Zn2062         | Si2516        | Sr3464        |
| IS Ref | (In2306)       | (Y_3710)      | (In2306)       | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-.00839</b> | <b>.99817</b> | <b>-.00309</b> | <b>.73869</b> | <b>1.5334</b> |
| Stddev | .85513         | 1.0936        | .10100         | 3.8189        | 5.0831        |
| %RSD   | 10188.         | 109.56        | 3269.6         | 516.99        | 331.49        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6570.1</b> | <b>4624.6</b> | <b>57375.</b> | <b>9799.7</b> |
| Stddev    | 18.0          | 12.1          | 105.          | 24.2          |
| %RSD      | .27391        | .26094        | .18279        | .24708        |

Sample Name: IEC Check As      Acquired: 1/3/2013 12:09:08      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |                |                |               |              |
|--------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554         | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)       | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb            | ppb            | ppb           | ppb          |
| Avg    | <b>-.18947</b> | <b>9.8695</b> | <b>5095.4</b> | <b>4.3767</b> | <b>-.01590</b> | <b>-.00172</b> | <b>10.217</b> | <b>.7365</b> |
| Stddev | .34149         | 7.5751        | 10.4          | .1706         | .16628         | .02220         | 1.538         | .2005        |
| %RSD   | 180.23         | 76.753        | .20400        | 3.8976        | 1046.1         | 1291.2         | 15.051        | 27.23        |

|         |      |      |      |      |      |      |      |          |
|---------|------|------|------|------|------|------|------|----------|
| Check ? | None | None | None | None | None | None | None | Chk Pass |
| Value   |      |      |      |      |      |      |      |          |
| Range   |      |      |      |      |      |      |      |          |

|        |               |                |               |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677         | Cu3273        | Fe2599        | K_7664         | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)       | (Y_3600)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.03690</b> | <b>-.05565</b> | <b>.06867</b> | <b>11.243</b> | <b>-2.4429</b> | <b>.36696</b> | <b>4.2479</b> | <b>.11503</b> |
| Stddev | .09695        | .10879         | .56154        | 1.004         | 38.900         | 1.4703        | 14.842        | .01675        |
| %RSD   | 262.75        | 195.49         | 817.72        | 8.9282        | 1592.4         | 400.68        | 349.39        | 14.564        |

|         |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|
| Check ? | None | None | None | None | None | None | None | None |
| Value   |      |      |      |      |      |      |      |      |
| Range   |      |      |      |      |      |      |      |      |

|        |               |               |                |                |              |                |               |               |
|--------|---------------|---------------|----------------|----------------|--------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316         | Pb2203         | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)       | (Y_2243)       | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb            | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>.03664</b> | <b>2.7161</b> | <b>-.37495</b> | <b>-.84204</b> | <b>1.820</b> | <b>-.34580</b> | <b>.48385</b> | <b>.12110</b> |
| Stddev | .14452        | 8.6929        | .16571         | 1.1271         | 1.889        | .41085         | .24525        | .06404        |
| %RSD   | 394.43        | 320.05        | 44.194         | 133.85         | 103.8        | 118.81         | 50.687        | 52.885        |

|         |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|
| Check ? | None | None | None | None | None | None | None | None |
| Value   |      |      |      |      |      |      |      |      |
| Range   |      |      |      |      |      |      |      |      |

Sample Name: IEC Check As      Acquired: 1/3/2013 12:09:08      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |               |                |               |
|--------|---------------|----------------|---------------|----------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516         | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb            | ppb           |
| Avg    | <b>.52978</b> | <b>-.36028</b> | <b>.34890</b> | <b>-2.8637</b> | <b>.10928</b> |
| Stddev | .86813        | .80667         | .01615        | 2.5402         | 4.6672        |
| %RSD   | 163.87        | 223.90         | 4.6281        | 88.706         | 4270.8        |

|         |      |      |      |      |      |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value   |      |      |      |      |      |
| Range   |      |      |      |      |      |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6811.0</b> | <b>4757.6</b> | <b>59159.</b> | <b>10191.</b> |
| Stddev    | 9.0           | 10.2          | 191.          | 14.           |
| %RSD      | .13244        | .21490        | .32201        | .13451        |

Sample Name: IEC Check Ti      Acquired: 1/3/2013 12:13:10      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |                |               |                |                |               |              |
|--------|---------------|---------------|----------------|---------------|----------------|----------------|---------------|--------------|
| Elem   | Ag3280        | Al3082        | As1890         | B_1826        | Ba4554         | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)       | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb            | ppb            | ppb           | ppb          |
| Avg    | <b>-38609</b> | <b>19.987</b> | <b>-2.1031</b> | <b>3.8402</b> | <b>-.09319</b> | <b>-.00032</b> | <b>3.3555</b> | <b>.4265</b> |
| Stddev | .14647        | 5.295         | 1.3874         | .0989         | .07310         | .05632         | 1.5056        | .1188        |
| %RSD   | 37.935        | 26.493        | 65.971         | 2.5761        | 78.437         | 17667.         | 44.869        | 27.85        |

|         |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|
| Check ? | None | None | None | None | None | None | None | None |
| Value   |      |      |      |      |      |      |      |      |
| Range   |      |      |      |      |      |      |      |      |

|        |               |               |                |               |                |                |                |               |
|--------|---------------|---------------|----------------|---------------|----------------|----------------|----------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664         | Li6707         | Mg2790         | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)       | (Y_3710)       | (Y_3710)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb            | ppb            | ppb            | ppb           |
| Avg    | <b>.12194</b> | <b>1.1339</b> | <b>-12.710</b> | <b>7.6455</b> | <b>-6.4883</b> | <b>-1.1580</b> | <b>-70.568</b> | <b>.19469</b> |
| Stddev | .52985        | .1234         | .703           | .2352         | 15.253         | 1.3319         | 11.833         | .03391        |
| %RSD   | 434.50        | 10.882        | 5.5294         | 3.0763        | 235.09         | 115.02         | 16.769         | 17.418        |

|         |          |      |      |      |      |      |      |      |
|---------|----------|------|------|------|------|------|------|------|
| Check ? | Chk Pass | None | None | None | None | None | None | None |
| Value   |          |      |      |      |      |      |      |      |
| Range   |          |      |      |      |      |      |      |      |

|        |                |                |                |                |              |               |               |               |
|--------|----------------|----------------|----------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020         | Na5895         | Ni2316         | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)       | (Y_3710)       | (In2306)       | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb            | ppb            | ppb            | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>-.05834</b> | <b>-2.8385</b> | <b>-1.9062</b> | <b>-.24753</b> | <b>.4278</b> | <b>1.2243</b> | <b>2.7433</b> | <b>29662.</b> |
| Stddev | .06440         | 3.0166         | .1062          | .62728         | .6867        | 1.4228        | .2328         | 222.          |
| %RSD   | 110.40         | 106.27         | 5.5697         | 253.42         | 160.5        | 116.22        | 8.4868        | .74883        |

|         |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|
| Check ? | None | None | None | None | None | None | None | None |
| Value   |      |      |      |      |      |      |      |      |
| Range   |      |      |      |      |      |      |      |      |



Sample Name: IEC Check Ti      Acquired: 1/3/2013 12:13:10      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C Method: 200.7      :  
 Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Ti1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>2.3956</b> | <b>-4.6979</b> | <b>.34999</b> | <b>6595.7</b> | <b>1.3164</b> |
| Stddev | .4724         | 2.1555         | .03294        | 1411.2        | 2.9619        |
| %RSD   | 19.718        | 45.881         | 9.4105        | 21.395        | 225.01        |

|         |          |      |      |      |      |
|---------|----------|------|------|------|------|
| Check ? | Chk Pass | None | None | None | None |
| Value   |          |      |      |      |      |
| Range   |          |      |      |      |      |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6826.8</b> | <b>4804.9</b> | <b>59230.</b> | <b>10160.</b> |
| Stddev    | 4.9           | 9.5           | 106.          | 22.           |
| %RSD      | .07183        | .19670        | .17955        | .21527        |

Sample Name: IEC Check Co      Acquired: 1/3/2013 12:17:16      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |                |               |               |              |
|--------|----------------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554         | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)       | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>-.04147</b> | <b>8.8603</b> | <b>.54609</b> | <b>2.4744</b> | <b>-.00885</b> | <b>.03920</b> | <b>10.957</b> | <b>.0887</b> |
| Stddev | .19277         | 9.4519        | .91815        | .0597         | .02826         | .02259        | .557          | .0569        |
| %RSD   | 464.87         | 106.68        | 168.13        | 2.4118        | 319.47         | 57.615        | 5.0866        | 64.23        |

|         |      |      |          |      |      |      |      |      |
|---------|------|------|----------|------|------|------|------|------|
| Check ? | None | None | Chk Pass | None | None | None | None | None |
| Value   |      |      |          |      |      |      |      |      |
| Range   |      |      |          |      |      |      |      |      |

|        |               |                |                |               |               |                |                |               |
|--------|---------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|
| Elem   | Co2286        | Cr2677         | Cu3273         | Fe2599        | K_7664        | Li6707         | Mg2790         | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)       | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)       | (Y_3600)      |
| Units  | ppb           | ppb            | ppb            | ppb           | ppb           | ppb            | ppb            | ppb           |
| Avg    | <b>10143.</b> | <b>-.08507</b> | <b>-2.4273</b> | <b>6.0279</b> | <b>11.137</b> | <b>-.90235</b> | <b>-1.4319</b> | <b>.06540</b> |
| Stddev | <b>9.</b>     | .22630         | .1285          | 1.2438        | 8.879         | .46969         | 12.690         | .02234        |
| %RSD   | .08999        | 266.02         | 5.2941         | 20.634        | 79.732        | 52.052         | 886.25         | 34.153        |

|         |      |      |          |      |      |      |      |      |
|---------|------|------|----------|------|------|------|------|------|
| Check ? | None | None | Chk Pass | None | None | None | None | None |
| Value   |      |      |          |      |      |      |      |      |
| Range   |      |      |          |      |      |      |      |      |

|        |               |                |                |               |              |                |                |               |
|--------|---------------|----------------|----------------|---------------|--------------|----------------|----------------|---------------|
| Elem   | Mo2020        | Na5895         | Ni2316         | Pb2203        | Sb2175       | Se1960         | Sn1899         | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)       | (In2306)       | (Y_2243)      | (Y_2243)     | (Y_2243)       | (In2306)       | (Y_3600)      |
| Units  | ppb           | ppb            | ppb            | ppb           | ppb          | ppb            | ppb            | ppb           |
| Avg    | <b>.05484</b> | <b>-14.200</b> | <b>-.15593</b> | <b>.22431</b> | <b>4.266</b> | <b>-.16084</b> | <b>-.07394</b> | <b>2.9677</b> |
| Stddev | .12153        | 10.965         | .33037         | 1.2748        | 1.126        | 2.0034         | .42384         | .1276         |
| %RSD   | 221.60        | 77.216         | 211.87         | 568.30        | 26.38        | 1245.6         | 573.23         | 4.2983        |

|         |      |      |          |      |          |      |      |      |
|---------|------|------|----------|------|----------|------|------|------|
| Check ? | None | None | Chk Pass | None | Chk Pass | None | None | None |
| Value   |      |      |          |      |          |      |      |      |
| Range   |      |      |          |      |          |      |      |      |

Sample Name: IEC Check Co      Acquired: 1/3/2013 12:17:16      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |               |               |                |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem   | Tl1908         | V_2908         | Zn2062        | Si2516        | Sr3464         |
| IS Ref | (In2306)       | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb            |
| Avg    | <b>-1.7897</b> | <b>-.57789</b> | <b>.94427</b> | <b>39.401</b> | <b>-1.7707</b> |
| Stddev | .4932          | 2.1982         | .10574        | 1.873         | 4.2645         |
| %RSD   | 27.557         | 380.38         | 11.199        | 4.7534        | 240.84         |

|         |          |      |      |      |      |
|---------|----------|------|------|------|------|
| Check ? | Chk Pass | None | None | None | None |
| Value   |          |      |      |      |      |
| Range   |          |      |      |      |      |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6787.0</b> | <b>4748.8</b> | <b>58957.</b> | <b>10191.</b> |
| Stddev    | 5.3           | 8.4           | 99.           | 39.           |
| %RSD      | .07769        | .17690        | .16797        | .38436        |

Sample Name: IEC Check AI      Acquired: 1/3/2013 12:21:13      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |                |               |               |               |               |
|--------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280         | Al3082         | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb            | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.21611</b> | <b>508610.</b> | <b>-1.6583</b> | <b>.62766</b> | <b>.04888</b> | <b>.01317</b> | <b>2.8144</b> |
| Stddev | .26934         | 1051.          | .9813          | .33338        | .15688        | .02160        | 1.5130        |
| %RSD   | 124.63         | .20660         | 59.176         | 53.115        | 320.98        | 164.04        | 53.762        |

|         |      |      |          |      |      |      |      |
|---------|------|------|----------|------|------|------|------|
| Check ? | None | None | Chk Pass | None | None | None | None |
| Value   |      |      |          |      |      |      |      |
| Range   |      |      |          |      |      |      |      |

|        |              |                |                |                |               |               |                |
|--------|--------------|----------------|----------------|----------------|---------------|---------------|----------------|
| Elem   | Cd2288       | Co2286         | Cr2677         | Cu3273         | Fe2599        | K_7664        | Li6707         |
| IS Ref | (Y_2243)     | (In2306)       | (Y_3600)       | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb          | ppb            | ppb            | ppb            | ppb           | ppb           | ppb            |
| Avg    | <b>.0518</b> | <b>-.15301</b> | <b>-.12274</b> | <b>-.02077</b> | <b>6.9122</b> | <b>12.162</b> | <b>-.56910</b> |
| Stddev | .1685        | .10096         | .13802         | .41511         | .6834         | 12.109        | .85685         |
| %RSD   | 325.4        | 65.979         | 112.45         | 1998.9         | 9.8870        | 99.565        | 150.56         |

|         |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|
| Check ? | None | None | None | None | None | None | None |
| Value   |      |      |      |      |      |      |      |
| Range   |      |      |      |      |      |      |      |

|        |               |                |                |               |               |                |              |
|--------|---------------|----------------|----------------|---------------|---------------|----------------|--------------|
| Elem   | Mg2790        | Mn2576         | Mo2020         | Na5895        | Ni2316        | Pb2203         | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)       | (Y_2243)       | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     |
| Units  | ppb           | ppb            | ppb            | ppb           | ppb           | ppb            | ppb          |
| Avg    | <b>.10604</b> | <b>-.13296</b> | <b>-.82417</b> | <b>26.886</b> | <b>.25962</b> | <b>-.65870</b> | <b>3.588</b> |
| Stddev | 3.0841        | .02944         | .06415         | 10.014        | .17050        | .99024         | 1.103        |
| %RSD   | 2908.5        | 22.145         | 7.7837         | 37.247        | 65.674        | 150.33         | 30.76        |

|         |      |      |      |      |      |          |          |
|---------|------|------|------|------|------|----------|----------|
| Check ? | None | None | None | None | None | Chk Pass | Chk Pass |
| Value   |      |      |      |      |      |          |          |
| Range   |      |      |      |      |      |          |          |

Sample Name: IEC Check AI      Acquired: 1/3/2013 12:21:13      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960         | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)       | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-1.9586</b> | <b>1.0907</b> | <b>1.1219</b> | <b>2.3784</b> | <b>.05686</b> | <b>2.8555</b> | <b>12.290</b> |
| Stddev | 2.6922         | .3467         | .1177         | 1.7834        | .90563        | .2055         | .362          |
| %RSD   | 137.46         | 31.788        | 10.487        | 74.984        | 1592.8        | 7.1974        | 2.9426        |

|         |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|
| Check ? | None | None | None | None | None | None | None |
| Value   |      |      |      |      |      |      |      |
| Range   |      |      |      |      |      |      |      |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>.52170</b> |
| Stddev | 2.1125        |
| %RSD   | 404.93        |

|         |      |
|---------|------|
| Check ? | None |
| Value   |      |
| Range   |      |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6335.6</b> | <b>4741.3</b> | <b>55945.</b> | <b>10210.</b> |
| Stddev    | 4.2           | 10.0          | 85.           | 25.           |
| %RSD      | .06663        | .21171        | .15245        | .24303        |

Sample Name: IEC Check Fe      Acquired: 1/3/2013 12:25:06      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |                |               |               |               |                |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-3.8632</b> | <b>20.198</b> | <b>-3.4933</b> | <b>.47041</b> | <b>.00282</b> | <b>.02646</b> | <b>-14.875</b> |
| Stddev | .43685         | 12.538        | .8992          | .26402        | .10947        | .06874        | .622           |
| %RSD   | 113.08         | 62.078        | 25.741         | 56.126        | 3878.6        | 259.85        | 4.1834         |

|         |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|
| Check ? | None | None | None | None | None | None | None |
| Value   |      |      |      |      |      |      |      |
| Range   |      |      |      |      |      |      |      |

|        |              |               |               |                |                |                |                |
|--------|--------------|---------------|---------------|----------------|----------------|----------------|----------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273         | Fe2599         | K_7664         | Li6707         |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)       | (Y_3710)       | (Y_3710)       |
| Units  | ppb          | ppb           | ppb           | ppb            | ppb            | ppb            | ppb            |
| Avg    | <b>.3338</b> | <b>2.7979</b> | <b>3.1977</b> | <b>-1.8199</b> | <b>500260.</b> | <b>-171.47</b> | <b>-.94221</b> |
| Stddev | .1537        | .3261         | .2288         | .2168          | 4810.          | 17.06          | 1.6736         |
| %RSD   | 46.03        | 11.654        | 7.1534        | 11.911         | .96152         | 9.9482         | 177.62         |

|         |          |      |      |          |      |      |      |
|---------|----------|------|------|----------|------|------|------|
| Check ? | Chk Pass | None | None | Chk Pass | None | None | None |
| Value   |          |      |      |          |      |      |      |
| Range   |          |      |      |          |      |      |      |

|        |                |               |                |                |               |                |              |
|--------|----------------|---------------|----------------|----------------|---------------|----------------|--------------|
| Elem   | Mg2790         | Mn2576        | Mo2020         | Na5895         | Ni2316        | Pb2203         | Sb2175       |
| IS Ref | (Y_3710)       | (Y_3600)      | (Y_2243)       | (Y_3710)       | (In2306)      | (Y_2243)       | (Y_2243)     |
| Units  | ppb            | ppb           | ppb            | ppb            | ppb           | ppb            | ppb          |
| Avg    | <b>-60.072</b> | <b>6.8014</b> | <b>-1.9458</b> | <b>-12.107</b> | <b>.29619</b> | <b>-2.8203</b> | <b>1.870</b> |
| Stddev | 15.990         | .0340         | .1591          | 8.016          | .82357        | .6484          | 2.075        |
| %RSD   | 26.619         | .49998        | 8.1782         | 66.205         | 278.06        | 22.990         | 110.9        |

|         |      |      |      |      |          |          |          |
|---------|------|------|------|------|----------|----------|----------|
| Check ? | None | None | None | None | Chk Pass | Chk Pass | Chk Pass |
| Value   |      |      |      |      |          |          |          |
| Range   |      |      |      |      |          |          |          |

Sample Name: IEC Check Fe      Acquired: 1/3/2013 12:25:06      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |                |               |                |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|----------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908         | Zn2062        | Si2516         |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)       |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb            |
| Avg    | <b>.22464</b> | <b>3.5391</b> | <b>2.1564</b> | <b>6.2507</b> | <b>-.33807</b> | <b>8.1487</b> | <b>-19.411</b> |
| Stddev | 1.1076        | .1934         | .0789         | 1.1047        | 1.2178         | .1101         | 2.455          |
| %RSD   | 493.06        | 5.4658        | 3.6579        | 17.672        | 360.21         | 1.3509        | 12.646         |

|         |      |      |      |      |          |      |      |
|---------|------|------|------|------|----------|------|------|
| Check ? | None | None | None | None | Chk Pass | None | None |
| Value   |      |      |      |      |          |      |      |
| Range   |      |      |      |      |          |      |      |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>13.902</b> |
| Stddev | 2.183         |
| %RSD   | 15.705        |

|         |      |
|---------|------|
| Check ? | None |
| Value   |      |
| Range   |      |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6506.2</b> | <b>4585.5</b> | <b>56943.</b> | <b>10014.</b> |
| Stddev    | 6.8           | 4.6           | 87.           | 31.           |
| %RSD      | .10523        | .09933        | .15229        | .31060        |

Sample Name: IEC Check V      Acquired: 1/3/2013 12:29:09      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .25252   | -41.259  | 1.3903   | .55344   | .21390   | -.38835  | 11.074   | .1820    |
| Stddev | .37808   | 10.750   | .6266    | .19127   | .06122   | .01851   | .936     | .0780    |
| %RSD   | 149.72   | 26.056   | 45.072   | 34.560   | 28.620   | 4.7668   | 8.4550   | 42.85    |

|         |      |          |      |      |      |          |      |      |
|---------|------|----------|------|------|------|----------|------|------|
| Check ? | None | Chk Pass | None | None | None | Chk Pass | None | None |
| Value   |      |          |      |      |      |          |      |      |
| Range   |      |          |      |      |      |          |      |      |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .02538   | -.38943  | -.54176  | 42.272   | -29.737  | -.73889  | -4.4224  | .14782   |
| Stddev | .07591   | .23239   | .31938   | 8.579    | 25.560   | .64454   | 5.5563   | .02618   |
| %RSD   | 299.13   | 59.675   | 58.952   | 20.296   | 85.951   | 87.231   | 125.64   | 17.712   |

|         |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|
| Check ? | None | None | None | None | None | None | None | None |
| Value   |      |      |      |      |      |      |      |      |
| Range   |      |      |      |      |      |      |      |      |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -.64620  | -38.046  | -.31875  | -.57296  | -1.972   | -.80577  | .17555   | .76579   |
| Stddev | .20199   | 11.692   | .36671   | 1.2208   | .712     | .66034   | .25155   | .06538   |
| %RSD   | 31.259   | 30.730   | 115.05   | 213.06   | 36.12    | 81.951   | 143.29   | 8.5378   |

|         |      |      |      |      |          |      |      |      |
|---------|------|------|------|------|----------|------|------|------|
| Check ? | None | None | None | None | Chk Pass | None | None | None |
| Value   |      |      |      |      |          |      |      |      |
| Range   |      |      |      |      |          |      |      |      |



Sample Name: IEC Check V      Acquired: 1/3/2013 12:29:09      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |                |
|--------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464         |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>4.7799</b> | <b>5184.9</b> | <b>.39119</b> | <b>7.2203</b> | <b>-.24002</b> |
| Stddev | .9358         | 18.5          | .03981        | 1.6944        | 2.5665         |
| %RSD   | 19.578        | .35690        | 10.177        | 23.466        | 1069.3         |

|         |          |      |      |      |      |
|---------|----------|------|------|------|------|
| Check ? | Chk Pass | None | None | None | None |
| Value   |          |      |      |      |      |
| Range   |          |      |      |      |      |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6781.0</b> | <b>4757.4</b> | <b>58853.</b> | <b>10156.</b> |
| Stddev    | 7.7           | 3.6           | 76.           | 30.           |
| %RSD      | .11419        | .07627        | .12850        | .29664        |

Sample Name: CCV      Acquired: 1/3/2013 12:33:08      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1006.4   | 24835.   | 516.31   | 5088.9   | 2005.8   | 2050.8   | 50700.   | 508.2    |
| Stddev | 2.7      | 43.      | 3.28     | 6.5      | 6.4      | 3.7      | 123.     | 1.1      |
| %RSD   | .26811   | .17258   | .63543   | .12762   | .31946   | .18121   | .24320   | .2230    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2000.2   | 1991.4   | 2009.9   | 25471.   | 48888.   | 5125.5   | 50281.   | 2030.7   |
| Stddev | 1.8      | 7.6      | 7.3      | 50.      | 235.     | 7.3      | 128.     | 10.1     |
| %RSD   | .09157   | .38120   | .36326   | .19483   | .48040   | .14218   | .25422   | .49840   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2051.1   | 50147.   | 1999.0   | 501.51   | 504.0    | 504.69   | 4955.5   | 5162.5   |
| Stddev | 1.7      | 80.      | 1.4      | .51      | 1.8      | 1.70     | 9.6      | 45.1     |
| %RSD   | .08068   | .16025   | .06940   | .10074   | .3606    | .33751   | .19335   | .87420   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 12:33:08      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Ti1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1029.6   | 2014.4   | 2025.5   | 5363.9   | 5016.4   |
| Stddev | 1.3      | 8.3      | .9       | 89.6     | 17.2     |
| %RSD   | .12854   | .41215   | .04400   | 1.6709   | .34286   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6034.4 | 4465.7 | 54899. | 9772.2 |
| Stddev    | 8.0    | 5.3    | 99.    | 47.6   |
| %RSD      | .13249 | .11791 | .18011 | .48745 |

Sample Name: CCB      Acquired: 1/3/2013 12:36:55      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.12629</b> | <b>14.993</b> | <b>.09784</b> | <b>6.7923</b> | <b>.20753</b> | <b>.10360</b> | <b>3.8619</b> | <b>-.0242</b> |
| Stddev | .10674         | 6.534         | .86123        | .3952         | .03191        | .04170        | 1.4534        | .0538         |
| %RSD   | 84.521         | 43.581        | 880.22        | 5.8175        | 15.377        | 40.247        | 37.634        | 222.0         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |                |                |               |                |               |                |               |
|--------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|---------------|
| Elem   | Co2286        | Cr2677         | Cu3273         | Fe2599        | K_7664         | Li6707        | Mg2790         | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)       | (Y_3600)       | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3710)       | (Y_3600)      |
| Units  | ppb           | ppb            | ppb            | ppb           | ppb            | ppb           | ppb            | ppb           |
| Avg    | <b>.20332</b> | <b>-.00597</b> | <b>-.18743</b> | <b>2.1525</b> | <b>-22.767</b> | <b>3.3002</b> | <b>-.18644</b> | <b>.04543</b> |
| Stddev | .12393        | .18863         | .76887         | .5549         | 11.433         | 1.0262        | 12.175         | .01517        |
| %RSD   | 60.954        | 3160.9         | 410.21         | 25.778        | 50.217         | 31.096        | 6530.4         | 33.393        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |                |               |               |              |               |               |               |
|--------|---------------|----------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.65263</b> | <b>-20.044</b> | <b>.15393</b> | <b>.03656</b> | <b>.9711</b> | <b>.29248</b> | <b>.72953</b> | <b>1.5178</b> |
| Stddev | .18949        | 2.165          | .28840        | .10892        | .5447        | 1.3597        | .21186        | .2397         |
| %RSD   | 29.035        | 10.799         | 187.36        | 297.89        | 56.09        | 464.87        | 29.040        | 15.794        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 12:36:55      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.36482</b> | <b>-.07784</b> | <b>.00184</b> | <b>11.708</b> | <b>4.6189</b> |
| Stddev | .29096        | .69104         | .03721        | 4.537         | .3977         |
| %RSD   | 79.755        | 887.76         | 2019.9        | 38.751        | 8.6096        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6614.9</b> | <b>4638.6</b> | <b>57454.</b> | <b>9848.1</b> |
| Stddev    | 8.0           | 9.3           | 153.          | 26.5          |
| %RSD      | .12083        | .20081        | .26656        | .26916        |

Sample Name: Ib 240-69294/1-d      Acquired: 1/3/2013 12:40:57      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |                |               |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280        | Al3082         | As1890        | B_1826        | Ba4554        | Be3130        |
| IS Ref | (Y_3600)      | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-59252</b> | <b>-9.8791</b> | <b>2.4488</b> | <b>7.5420</b> | <b>1.7480</b> | <b>.04627</b> |
| Stddev | .05406        | 9.3742         | 1.3339        | .5606         | .0353         | .03604        |
| %RSD   | 9.1242        | 94.890         | 54.472        | 7.4334        | 2.0205        | 77.888        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |              |               |               |               |               |
|--------|---------------|--------------|---------------|---------------|---------------|---------------|
| Elem   | Ca3179        | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        |
| IS Ref | (Y_3710)      | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      |
| Units  | ppb           | ppb          | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>83.393</b> | <b>.0274</b> | <b>.00670</b> | <b>.94742</b> | <b>.70021</b> | <b>7.5602</b> |
| Stddev | 1.135         | .0545        | .35723        | .13955        | .39483        | 1.2755        |
| %RSD   | 1.3614        | 199.2        | 5331.2        | 14.730        | 56.388        | 16.871        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |                   |
|--------|---------------|---------------|---------------|---------------|---------------|-------------------|
| Elem   | K_7664        | Li6707        | Mg2790        | Mn2576        | Mo2020        | Na5895            |
| IS Ref | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)          |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb               |
| Avg    | <b>528.76</b> | <b>18.281</b> | <b>4.2289</b> | <b>.50696</b> | <b>.24674</b> | <b>F 1242800.</b> |
| Stddev | 85.20         | 3.698         | 3.0857        | .02228        | .06872        | 23779.            |
| %RSD   | 16.114        | 20.230        | 72.966        | 4.3948        | 27.851        | 1.9134            |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          | 1000.0   |
| Low Limit  |          |          |          |          |          | -1000.0  |

Sample Name: lb 240-69294/1-d      Acquired: 1/3/2013 12:40:57      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
Comment:

|        |               |                |              |                 |               |               |
|--------|---------------|----------------|--------------|-----------------|---------------|---------------|
| Elem   | Ni2316        | Pb2203         | Sb2175       | Se1960          | Sn1899        | Ti3372        |
| IS Ref | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)        | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb            | ppb          | ppb             | ppb           | ppb           |
| Avg    | <b>6.3682</b> | <b>-.67514</b> | <b>.7564</b> | <b>F 6.8911</b> | <b>1.7329</b> | <b>.66034</b> |
| Stddev | .0369         | .95684         | 1.334        | 1.5779          | .5349         | .07765        |
| %RSD   | .57884        | 141.72         | 176.4        | 22.898          | 30.865        | 11.759        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass |
| High Limit |          |          |          | 5.0000   |          |          |
| Low Limit  |          |          |          | -1000.0  |          |          |

|        |                |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Ti1908         | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)       | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-1.5347</b> | <b>1.4910</b> | <b>4.6172</b> | <b>148.59</b> | <b>.83332</b> |
| Stddev | .8672          | 1.7431        | .0904         | 4.28          | .40081        |
| %RSD   | 56.504         | 116.91        | 1.9587        | 2.8834        | 48.098        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5511.6</b> | <b>4202.5</b> | <b>49957.</b> | <b>9758.0</b> |
| Stddev    | 11.1          | 3.6           | 52.           | 5.4           |
| %RSD      | .20202        | .08492        | .10492        | .05570        |

Sample Name: mb 240-69405/2-a      Acquired: 1/3/2013 12:45:05      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |              |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.29169</b> | <b>2.9564</b> | <b>.29806</b> | <b>2.8502</b> | <b>.80964</b> | <b>-.02562</b> | <b>266.54</b> | <b>.0385</b> |
| Stddev | .47503         | 10.269        | 1.3881        | .0111         | .15138        | .03361         | .79           | .0877        |
| %RSD   | 162.85         | 347.35        | 465.72        | .39012        | 18.697        | 131.20         | .29582        | 228.1        |

|            |          |          |          |      |          |          |          |          |
|------------|----------|----------|----------|------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |      |          |          |          |          |
| Low Limit  |          |          |          |      |          |          |          |          |

|        |                |                |               |               |               |               |               |               |
|--------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677         | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)       | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.02700</b> | <b>-.08454</b> | <b>.97125</b> | <b>11.004</b> | <b>65.035</b> | <b>6.4073</b> | <b>53.146</b> | <b>1.1230</b> |
| Stddev | .20381         | .18153         | .28103        | 1.202         | 23.795        | 1.6418        | 8.773         | .0452         |
| %RSD   | 754.95         | 214.72         | 28.935        | 10.919        | 36.589        | 25.624        | 16.507        | 4.0288        |

|            |          |          |          |          |          |      |          |          |
|------------|----------|----------|----------|----------|----------|------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | None | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |      |          |          |
| Low Limit  |          |          |          |          |          |      |          |          |

|        |               |               |               |                |              |               |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.17139</b> | <b>314.57</b> | <b>1.4802</b> | <b>-.69329</b> | <b>1.107</b> | <b>.97395</b> | <b>.07894</b> | <b>.44488</b> |
| Stddev | .11996        | 27.39         | .0879         | .82677         | 1.493        | .92166        | .14698        | .10627        |
| %RSD   | 69.993        | 8.7078        | 5.9359        | 119.25         | 134.8        | 94.632        | 186.18        | 23.887        |

|            |          |          |          |          |          |          |          |      |
|------------|----------|----------|----------|----------|----------|----------|----------|------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit |          |          |          |          |          |          |          |      |
| Low Limit  |          |          |          |          |          |          |          |      |



Sample Name: mb 240-69405/2-a      Acquired: 1/3/2013 12:45:05      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908         | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)       | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.69049</b> | <b>.98287</b> | <b>11.776</b> | <b>23.062</b> | <b>2.5939</b> |
| Stddev | 1.1852         | .80577        | .048          | 3.643         | 1.1233        |
| %RSD   | 171.65         | 81.982        | .40768        | 15.795        | 43.304        |

|            |          |          |          |      |          |
|------------|----------|----------|----------|------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | None | Chk Pass |
| High Limit |          |          |          |      |          |
| Low Limit  |          |          |          |      |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6652.5</b> | <b>4696.1</b> | <b>58397.</b> | <b>10085.</b> |
| Stddev    | 4.2           | 4.2           | 142.          | 18.           |
| %RSD      | .06349        | .08882        | .24270        | .17539        |

Sample Name: lcs 240-69405/3-a      Acquired: 1/3/2013 12:49:06      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 50.461   | 1931.9   | 2095.7   | 996.20   | 1951.9   | 48.052   |
| Stddev | .338     | 15.0     | 7.8      | .97      | 2.8      | .172     |
| %RSD   | .66970   | .77483   | .37151   | .09731   | .14570   | .35830   |

|         |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ca3179   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   |
| IS Ref | (Y_3710) | (Y_2243) | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | F 355.89 | 49.87    | 502.15   | 199.49   | 255.11   | 1006.7   |
| Stddev | 3.58     | .12      | .49      | .22      | .78      | 3.2      |
| %RSD   | 1.0068   | .2387    | .09762   | .11235   | .30568   | .32208   |

|         |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 50000.   |          |          |          |          |          |
| Range   | -20.500% |          |          |          |          |          |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | K_7664   | Li6707   | Mg2790   | Mn2576   | Mo2020   | Na5895     |
| IS Ref | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710)   |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb        |
| Avg    | F 630.05 | 1057.3   | F 48.432 | 507.01   | 990.14   | F 1143700. |
| Stddev | 59.18    | 3.8      | 8.349    | 1.36     | 1.94     | 13381.     |
| %RSD   | 9.3933   | .35567   | 17.240   | .26851   | .19617   | 1.1699     |

|         |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Fail |
| Value   | 50000.   |          | 50000.   |          |          | 50000.   |
| Range   | -20.500% |          | -20.500% |          |          | 20.500%  |

Sample Name: lcs 240-69405/3-a      Acquired: 1/3/2013 12:49:06      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 510.17   | 469.36   | 494.8    | 2072.3   | 1954.1   | 1019.3   |
| Stddev | .22      | 1.10     | 1.1      | 1.6      | 2.4      | 2.6      |
| %RSD   | .04407   | .23362   | .2168    | .07921   | .12360   | .25529   |

|         |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Ti1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1916.2   | 493.91   | 546.34   | F 1250.5 | 978.13   |
| Stddev | 2.3      | 4.08     | 1.21     | 9.4      | 6.63     |
| %RSD   | .12114   | .82599   | .22176   | .74958   | .67798   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| Value   |          |          |          | 1000.0   |          |
| Range   |          |          |          | 20.500%  |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5530.1 | 4235.8 | 50481. | 9821.0 |
| Stddev    | 3.8    | 5.9    | 64.    | 25.1   |
| %RSD      | .06785 | .13921 | .12749 | .25604 |

Sample Name: 240-18735-c-5-d      Acquired: 1/3/2013 12:52:54      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-51503</b> | <b>116.74</b> | <b>4.4159</b> | <b>69.107</b> | <b>289.01</b> | <b>.10668</b> |
| Stddev | .24386        | 9.27          | .5482         | .524          | .18           | .03272        |
| %RSD   | 47.349        | 7.9366        | 12.414        | .75760        | .06396        | 30.675        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |                |              |               |               |               |               |
|--------|----------------|--------------|---------------|---------------|---------------|---------------|
| Elem   | Ca3179         | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        |
| IS Ref | (Y_3710)       | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      |
| Units  | ppb            | ppb          | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>153870.</b> | <b>1.578</b> | <b>41.836</b> | <b>2.4208</b> | <b>2.2254</b> | <b>27.315</b> |
| Stddev | 1331.          | .125         | .426          | .1862         | .4251         | 1.284         |
| %RSD   | .86474         | 7.925        | 1.0180        | 7.6933        | 19.105        | 4.7009        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |                   |
|--------|---------------|---------------|---------------|---------------|---------------|-------------------|
| Elem   | K_7664        | Li6707        | Mg2790        | Mn2576        | Mo2020        | Na5895            |
| IS Ref | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)          |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb               |
| Avg    | <b>2770.9</b> | <b>14.211</b> | <b>20541.</b> | <b>6837.9</b> | <b>.00895</b> | <b>F 1115300.</b> |
| Stddev | 29.5          | .941          | 46.           | 44.1          | .11527        | 5423.             |
| %RSD   | 1.0652        | 6.6210        | .22464        | .64427        | 1287.8        | .48624            |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          | 500000.  |
| Low Limit  |          |          |          |          |          | -500000. |

Sample Name: 240-18735-c-5-d      Acquired: 1/3/2013 12:52:54      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |              |               |               |               |
|--------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>48.042</b> | <b>8.9738</b> | <b>1.649</b> | <b>6.6364</b> | <b>3.4421</b> | <b>.91336</b> |
| Stddev | .409          | .6837         | 1.156        | 1.5021        | .6225         | .11037        |
| %RSD   | .85071        | 7.6194        | 70.10        | 22.634        | 18.084        | 12.084        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Ti1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.47926</b> | <b>-1.2017</b> | <b>48.284</b> | <b>3778.3</b> | <b>319.19</b> |
| Stddev | 1.1800        | 1.3143         | .274          | 8.0           | 4.41          |
| %RSD   | 246.22        | 109.37         | .56849        | .21269        | 1.3815        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5341.6</b> | <b>4128.9</b> | <b>49523.</b> | <b>9717.5</b> |
| Stddev    | 3.1           | 2.1           | 101.          | 29.2          |
| %RSD      | .05781        | .05031        | .20449        | .30042        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 80.814%  | 87.793%  | 85.297%  | 98.352%  |
| Range   |          |          |          |          |

Sample Name: SD 240-18735-c-5-d@5      Acquired: 1/3/2013 12:57:12      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
Comment:

|        |                |               |               |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.52386</b> | <b>24.324</b> | <b>.75776</b> | <b>15.140</b> | <b>57.852</b> | <b>.01175</b> | <b>31774.</b> |
| Stddev | .21471         | 4.812         | .44402        | .240          | .110          | .02451        | 41.           |
| %RSD   | 40.986         | 19.784        | 58.596        | 1.5849        | .19031        | 208.62        | .12789        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.3096</b> | <b>8.3386</b> | <b>.61154</b> | <b>.58994</b> | <b>6.4586</b> | <b>545.13</b> | <b>11.716</b> |
| Stddev | .0371        | .4203         | .10304        | .85970        | .7032         | 16.07         | .655          |
| %RSD   | 11.99        | 5.0409        | 16.849        | 145.73        | 10.887        | 2.9489        | 5.5920        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |              |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>4221.6</b> | <b>1403.2</b> | <b>.09147</b> | <b>263850.</b> | <b>9.9947</b> | <b>.94269</b> | <b>2.511</b> |
| Stddev | 26.9          | 3.1           | .08253        | 1893.          | .0084         | .23183        | .957         |
| %RSD   | .63640        | .22024        | 90.223        | .71744         | .08447        | 24.592        | 38.11        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: SD 240-18735-c-5-d@5      Acquired: 1/3/2013 12:57:12      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.82511</b> | <b>.44686</b> | <b>.25575</b> | <b>.57459</b> | <b>1.8753</b> | <b>9.4065</b> | <b>763.82</b> |
| Stddev | 1.1350        | .62325        | .04095        | 1.2183        | .9286         | .0987         | 7.03          |
| %RSD   | 137.56        | 139.47        | 16.012        | 212.03        | 49.520        | 1.0493        | .92072        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>65.757</b> |
| Stddev | 1.792         |
| %RSD   | 2.7256        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5980.3</b> | <b>4411.8</b> | <b>53810.</b> | <b>9755.0</b> |
| Stddev    | 11.1          | 7.7           | 38.           | 40.8          |
| %RSD      | .18525        | .17432        | .07126        | .41876        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 90.476%  | 93.809%  | 92.681%  | 98.732%  |
| Range   |          |          |          |          |

*Dilute*

Sample Name: 240-18735-c-5-e ms      Acquired: 1/3/2013 13:01:17      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1091.6   | 2134.8   | F 5441.8 | 1112.5   | F 48452. | 50.406   |
| Stddev | 9.3      | 3.7      | 95.5     | 18.7     | 264.     | .180     |
| %RSD   | .85321   | .17527   | 1.7548   | 1.6805   | .54587   | .35785   |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Fail | Chk Pass |
| High Limit |          |          | 5000.0   |          | 25000.   |          |
| Low Limit  |          |          | -500000. |          | -500000. |          |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ca3179   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   |
| IS Ref | (Y_3710) | (Y_2243) | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 151310.  | 1060.    | 559.47   | 5076.5   | 270.29   | 1050.0   |
| Stddev | 1495.    | 20.      | 10.44    | 38.4     | .78      | 6.4      |
| %RSD   | .98767   | 1.850    | 1.8662   | .75557   | .28977   | .60742   |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | K_7664   | Li6707   | Mg2790   | Mn2576   | Mo2020   | Na5895     |
| IS Ref | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710)   |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb        |
| Avg    | 2683.7   | 17.733   | 19988.   | 7144.6   | 1055.3   | F 1085300. |
| Stddev | 67.8     | 1.077    | 86.      | 44.3     | 19.2     | 8098.      |
| %RSD   | 2.5248   | 6.0754   | .42811   | .62001   | 1.8172   | .74616     |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          | 500000.  |
| Low Limit  |          |          |          |          |          | -500000. |



Sample Name: 240-18735-c-5-e ms      Acquired: 1/3/2013 13:01:17      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |              |               |               |               |
|--------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>571.58</b> | <b>4949.6</b> | <b>522.2</b> | <b>1105.2</b> | <b>2074.1</b> | <b>.68300</b> |
| Stddev | 10.02         | 79.1          | 9.2          | 17.0          | 42.8          | .19593        |
| %RSD   | 1.7536        | 1.5980        | 1.763        | 1.5340        | 2.0624        | 28.687        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ti1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2012.3</b> | <b>513.64</b> | <b>582.97</b> | <b>3820.7</b> | <b>306.97</b> |
| Stddev | 35.9          | 4.53          | 10.79         | 18.0          | 3.13          |
| %RSD   | 1.7827        | .88110        | 1.8512        | .47043        | 1.0196        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5305.4</b> | <b>4098.0</b> | <b>49772.</b> | <b>9801.9</b> |
| Stddev    | 68.6          | 50.0          | 252.          | 54.4          |
| %RSD      | 1.2924        | 1.2190        | .50682        | .55462        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 80.265%  | 87.135%  | 85.725%  | 99.206%  |
| Range   |          |          |          |          |

*Pikuk*

Sample Name: 240-18735-c-5-f msd      Acquired: 1/3/2013 13:05:29      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   |
|--------|----------|----------|----------|----------|----------|----------|
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1082.0   | 2116.5   | F 5431.9 | 1109.8   | F 47812. | 49.927   |
| Stddev | 6.6      | 25.6     | 70.3     | 14.0     | 474.     | .157     |
| %RSD   | .60765   | 1.2099   | 1.2950   | 1.2658   | .99090   | .31455   |

| Check ?    | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   |
|------------|----------|----------|----------|----------|----------|----------|
| High Limit | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Fail | Chk Pass |
| Low Limit  |          |          | 5000.0   |          | 25000.   |          |
|            |          |          | -500000. |          | -500000. |          |

| Elem   | Ca3179   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   |
|--------|----------|----------|----------|----------|----------|----------|
| IS Ref | (Y_3710) | (Y_2243) | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 150570.  | 1059.    | 558.24   | 5032.9   | 267.74   | 1039.3   |
| Stddev | 1038.    | 15.      | 7.96     | 26.8     | 1.96     | 5.8      |
| %RSD   | .68907   | 1.446    | 1.4262   | .53298   | .73096   | .55838   |

| Check ?    | Ca3179   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   |
|------------|----------|----------|----------|----------|----------|----------|
| High Limit | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Low Limit  |          |          |          |          |          |          |

| Elem   | K_7664   | Li6707   | Mg2790   | Mn2576   | Mo2020   | Na5895     |
|--------|----------|----------|----------|----------|----------|------------|
| IS Ref | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710)   |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb        |
| Avg    | 2807.2   | 19.630   | 19920.   | 7147.6   | 1051.5   | F 1050100. |
| Stddev | 28.8     | 1.822    | 60.      | 25.9     | 15.5     | 12594.     |
| %RSD   | 1.0277   | 9.2828   | .30277   | .36219   | 1.4715   | 1.1993     |

| Check ?    | K_7664   | Li6707   | Mg2790   | Mn2576   | Mo2020   | Na5895   |
|------------|----------|----------|----------|----------|----------|----------|
| High Limit | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Low Limit  |          |          |          |          |          | 500000.  |
|            |          |          |          |          |          | -500000. |

Sample Name: 240-18735-c-5-f msd      Acquired: 1/3/2013 13:05:29      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |              |               |               |               |
|--------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>570.58</b> | <b>4945.2</b> | <b>522.0</b> | <b>1099.9</b> | <b>2076.3</b> | <b>.51966</b> |
| Stddev | 8.72          | 54.4          | 8.8          | 13.8          | 35.6          | .14944        |
| %RSD   | 1.5281        | 1.0996        | 1.688        | 1.2568        | 1.7147        | 28.757        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ti1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2008.6</b> | <b>504.63</b> | <b>582.34</b> | <b>3785.7</b> | <b>306.75</b> |
| Stddev | 23.0          | 2.04          | 7.95          | 28.6          | 3.62          |
| %RSD   | 1.1454        | .40433        | 1.3650        | .75552        | 1.1799        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5278.7</b> | <b>4081.5</b> | <b>49966.</b> | <b>9819.4</b> |
| Stddev    | 46.2          | 35.0          | 141.          | 27.0          |
| %RSD      | .87512        | .85748        | .28131        | .27446        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 79.862%  | 86.786%  | 86.059%  | 99.383%  |
| Range   |          |          |          |          |

Sample Name: 240-18735-C-5-E MS@5      Acquired: 1/3/2013 13:11:07      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>203.27</b> | <b>433.00</b> | <b>1038.5</b> | <b>221.40</b> | <b>9974.1</b> | <b>10.296</b> | <b>31344.</b> |
| Stddev | .35           | 11.38         | 4.7           | .97           | 138.9         | .040          | 296.          |
| %RSD   | .17376        | 2.6281        | .45243        | .43907        | 1.3928        | .38664        | .94558        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>205.6</b> | <b>109.35</b> | <b>1007.6</b> | <b>52.823</b> | <b>216.63</b> | <b>537.37</b> | <b>7.6853</b> |
| Stddev | .7           | .39           | 3.0           | .239          | 1.78          | 25.65         | 1.3548        |
| %RSD   | .3352        | .36076        | .29974        | .45178        | .82271        | 4.7731        | 17.628        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |              |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>4168.8</b> | <b>1461.2</b> | <b>211.45</b> | <b>263410.</b> | <b>112.88</b> | <b>1010.0</b> | <b>102.0</b> |
| Stddev | 55.4          | 4.5           | .63           | 3353.          | .58           | 6.2           | 1.8          |
| %RSD   | 1.3301        | .31041        | .29912        | 1.2730         | .51208        | .61823        | 1.765        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-18735-C-5-E MS@5      Acquired: 1/3/2013 13:11:07      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>206.42</b> | <b>406.51</b> | <b>.42235</b> | <b>410.09</b> | <b>104.42</b> | <b>114.61</b> | <b>772.27</b> |
| Stddev | 1.48          | 1.69          | .14361        | 1.64          | 1.03          | .48           | 5.02          |
| %RSD   | .71645        | .41500        | 34.002        | .40102        | .98795        | .42119        | .65055        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>64.471</b> |
| Stddev | 1.912         |
| %RSD   | 2.9650        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5991.7</b> | <b>4421.7</b> | <b>54265.</b> | <b>9680.4</b> |
| Stddev    | 22.7          | 14.1          | 165.          | 88.9          |
| %RSD      | .37946        | .31798        | .30409        | .91791        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 90.648%  | 94.018%  | 93.464%  | 97.976%  |
| Range   |          |          |          |          |

Sample Name: 240-18735-C-5-FMSD@5      Acquired: 1/3/2013 13:15:06      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>204.35</b> | <b>438.10</b> | <b>1035.7</b> | <b>219.97</b> | <b>9926.4</b> | <b>10.173</b> | <b>31120.</b> |
| Stddev | 1.18          | 19.41         | 2.3           | .43           | 76.8          | .078          | 36.           |
| %RSD   | .57583        | 4.4305        | .22688        | .19568        | .77347        | .76367        | .11518        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>205.0</b> | <b>109.29</b> | <b>1012.8</b> | <b>52.476</b> | <b>214.91</b> | <b>508.40</b> | <b>4.4602</b> |
| Stddev | .1           | .24           | 1.5           | .557          | .16           | 18.25         | .4073         |
| %RSD   | .0371        | .21736        | .14778        | 1.0610        | .07471        | 3.5889        | 9.1330        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |              |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>4160.6</b> | <b>1478.0</b> | <b>211.63</b> | <b>261560.</b> | <b>112.51</b> | <b>1007.8</b> | <b>102.3</b> |
| Stddev | 11.1          | 1.8           | .40           | 1720.          | .23           | 1.8           | 2.4          |
| %RSD   | .26782        | .12235        | .18744        | .65745         | .20546        | .17615        | 2.311        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-18735-C-5-FMSD@5      Acquired: 1/3/2013 13:15:06      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>206.42</b> | <b>405.29</b> | <b>.31089</b> | <b>408.21</b> | <b>102.00</b> | <b>114.38</b> | <b>762.26</b> |
| Stddev | 1.05          | 1.36          | .14547        | 1.74          | 2.66          | .03           | 6.86          |
| %RSD   | .51087        | .33664        | 46.790        | .42653        | 2.6108        | .02892        | .90022        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>65.163</b> |
| Stddev | 1.147         |
| %RSD   | 1.7594        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5994.0</b> | <b>4424.2</b> | <b>53961.</b> | <b>9732.4</b> |
| Stddev    | 2.4           | 4.6           | 41.           | 23.7          |
| %RSD      | .03986        | .10371        | .07641        | .24399        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 90.683%  | 94.071%  | 92.941%  | 98.503%  |
| Range   |          |          |          |          |

Sample Name: PDS 240-18735-c-5-d      Acquired: 1/3/2013 13:32:56      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>111.20</b> | <b>5181.4</b> | <b>329.16</b> | <b>3131.0</b> | <b>340.02</b> | <b>25.800</b> |
| Stddev | .77           | 4.3           | 1.15          | 6.6           | .65           | .076          |
| %RSD   | .69475        | .08351        | .34876        | .21121        | .19077        | .29585        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |                |              |               |               |               |               |
|--------|----------------|--------------|---------------|---------------|---------------|---------------|
| Elem   | Ca3179         | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        |
| IS Ref | (Y_3710)       | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      |
| Units  | ppb            | ppb          | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>164200.</b> | <b>369.9</b> | <b>198.76</b> | <b>209.24</b> | <b>493.83</b> | <b>4622.3</b> |
| Stddev | 1632.          | .4           | .18           | .51           | 1.33          | 5.6           |
| %RSD   | .99403         | .1202        | .09080        | .24457        | .26835        | .12074        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |                   |
|--------|---------------|---------------|---------------|---------------|---------------|-------------------|
| Elem   | K_7664        | Li6707        | Mg2790        | Mn2576        | Mo2020        | Na5895            |
| IS Ref | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)          |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb               |
| Avg    | <b>7992.5</b> | <b>.76942</b> | <b>23341.</b> | <b>6831.3</b> | <b>104.99</b> | <b>F 1175000.</b> |
| Stddev | 79.2          | .88222        | 71.           | 9.0           | .29           | 15605.            |
| %RSD   | .99069        | 114.66        | .30377        | .13190        | .27242        | 1.3281            |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          | 500000.  |
| Low Limit  |          |          |          |          |          | -500000. |



Sample Name: PDS 240-18735-c-5-d      Acquired: 1/3/2013 13:32:56      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |              |               |               |               |
|--------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>310.25</b> | <b>150.99</b> | <b>155.1</b> | <b>437.85</b> | <b>311.51</b> | <b>542.74</b> |
| Stddev | .83           | .63           | 1.2          | 2.57          | .28           | .62           |
| %RSD   | .26652        | .41877        | .7788        | .58731        | .09068        | .11481        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>453.89</b> | <b>51.468</b> | <b>584.57</b> | <b>3826.5</b> | <b>314.21</b> |
| Stddev | 1.47          | 1.492         | .78           | 31.8          | .47           |
| %RSD   | .32328        | 2.8985        | .13407        | .83008        | .14997        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5288.6</b> | <b>4121.6</b> | <b>48949.</b> | <b>9682.4</b> |
| Stddev    | 5.2           | 2.0           | 155.          | 31.2          |
| %RSD      | .09764        | .04811        | .31765        | .32207        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 80.011%  | 87.637%  | 84.309%  | 97.997%  |
| Range   |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 13:37:05      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1020.9   | 25045.   | 520.07   | 5144.2   | 2016.1   | 2081.4   | 51108.   | 512.9    |
| Stddev | .8       | 71.      | 1.52     | 12.7     | 4.7      | 6.2      | 108.     | .8       |
| %RSD   | .08147   | .28301   | .29311   | .24595   | .23342   | .29621   | .21202   | .1547    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2011.7   | 2016.1   | 2038.5   | 25764.   | 48920.   | 5178.4   | 51068.   | 2063.6   |
| Stddev | 2.5      | .4       | 2.2      | 81.      | 151.     | 10.4     | 156.     | 1.9      |
| %RSD   | .12588   | .01815   | .10999   | .31286   | .30814   | .20142   | .30543   | .09002   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2065.8   | 49247.   | 2009.7   | 502.96   | 509.9    | 510.33   | 5005.4   | 5258.7   |
| Stddev | 2.1      | 217.     | 3.0      | .48      | 1.3      | 1.53     | 13.3     | 11.1     |
| %RSD   | .10078   | .44026   | .14706   | .09533   | .2529    | .29928   | .26656   | .21176   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 13:37:05      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1033.1   | 2021.6   | 2035.9   | 5417.9   | 5076.0   |
| Stddev | 1.9      | 7.6      | 1.7      | 98.5     | 17.1     |
| %RSD   | .18387   | .37492   | .08508   | 1.8178   | .33635   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6049.2 | 4478.2 | 54762. | 9742.4 |
| Stddev    | 9.0    | 1.4    | 85.    | 25.3   |
| %RSD      | .14864 | .03042 | .15448 | .25973 |

Sample Name: CCB      Acquired: 1/3/2013 13:40:51      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |                |               |               |               |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.45404</b> | <b>9.0675</b> | <b>-.07030</b> | <b>8.4775</b> | <b>.22975</b> | <b>.07869</b> | <b>5.2425</b> | <b>-.0422</b> |
| Stddev | .15794         | 3.1719        | .91414         | .8987         | .11586        | .03975        | .9050         | .0850         |
| %RSD   | 34.785         | 34.982        | 1300.4         | 10.601        | 50.427        | 50.512        | 17.263        | 201.3         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |                |               |               |               |                |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790         | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3600)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>-.06123</b> | <b>.09374</b> | <b>-.20272</b> | <b>1.7363</b> | <b>54.161</b> | <b>3.0494</b> | <b>-5.1237</b> | <b>.14155</b> |
| Stddev | .27039         | .16087        | .45805         | 1.0386        | 1.021         | .4893         | 2.0714         | .04474        |
| %RSD   | 441.60         | 171.61        | 225.95         | 59.814        | 1.8850        | 16.045        | 40.428         | 31.609        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |              |                |               |               |
|--------|---------------|---------------|----------------|---------------|--------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316         | Pb2203        | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)       | (Y_2243)      | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>.78128</b> | <b>185.92</b> | <b>-.24147</b> | <b>.11420</b> | <b>1.676</b> | <b>-.28103</b> | <b>.11856</b> | <b>1.4014</b> |
| Stddev | .18441        | 5.92          | .14686         | .89037        | 1.632        | 1.8926         | .17442        | .0173         |
| %RSD   | 23.603        | 3.1865        | 60.820         | 779.67        | 97.41        | 673.44         | 147.12        | 1.2335        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 13:40:51      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .33213   | .13505   | .03314   | 3.0468   | 1.9585   |
| Stddev | .22195   | .63442   | .09245   | 4.2325   | 3.9990   |
| %RSD   | 66.826   | 469.76   | 278.96   | 138.91   | 204.19   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6600.6 | 4622.2 | 57209. | 9810.1 |
| Stddev    | 12.7   | 12.6   | 172.   | 3.7    |
| %RSD      | .19260 | .27158 | .30019 | .03761 |

Sample Name: 240-18735-f-6-d      Acquired: 1/3/2013 13:44:52      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | - <b>88763</b> | <b>455.50</b> | <b>2.2076</b> | <b>172.46</b> | <b>58.788</b> | <b>.06997</b> |
| Stddev | .12943         | 8.84          | 2.0413        | .57           | .092          | .04412        |
| %RSD   | 14.581         | 1.9408        | 92.468        | .33213        | .15670        | 63.055        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |              |               |               |               |               |
|--------|---------------|--------------|---------------|---------------|---------------|---------------|
| Elem   | Ca3179        | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        |
| IS Ref | (Y_3710)      | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      |
| Units  | ppb           | ppb          | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>14119.</b> | <b>.1475</b> | <b>1.7117</b> | <b>3.0506</b> | <b>3.9486</b> | <b>1215.2</b> |
| Stddev | 16.           | .0633        | .2874         | .2158         | .5238         | 2.6           |
| %RSD   | .11649        | 42.90        | 16.792        | 7.0747        | 13.266        | .21799        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |                  |
|--------|---------------|---------------|---------------|---------------|---------------|------------------|
| Elem   | K_7664        | Li6707        | Mg2790        | Mn2576        | Mo2020        | Na5895           |
| IS Ref | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)         |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb              |
| Avg    | <b>1581.0</b> | <b>12.000</b> | <b>5724.3</b> | <b>159.39</b> | <b>6.1367</b> | <b>F 986840.</b> |
| Stddev | 41.9          | 1.212         | 15.3          | .83           | .2564         | 3749.            |
| %RSD   | 2.6478        | 10.104        | .26805        | .52351        | 4.1787        | .37989           |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          | 500000.  |
| Low Limit  |          |          |          |          |          | -500000. |

Sample Name: 240-18735-f-6-d      Acquired: 1/3/2013 13:44:52      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |              |                |               |               |
|--------|---------------|---------------|--------------|----------------|---------------|---------------|
| Elem   | Ni2316        | Pb2203        | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>23.311</b> | <b>3.6820</b> | <b>103.4</b> | <b>-.09329</b> | <b>1.1889</b> | <b>8.7344</b> |
| Stddev | .398          | .9434         | .7           | 1.3794         | .4720         | .2425         |
| %RSD   | 1.7076        | 25.622        | .6766        | 1478.6         | 39.704        | 2.7764        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.40244</b> | <b>.86934</b> | <b>469.69</b> | <b>5105.7</b> | <b>64.836</b> |
| Stddev | .97463        | .43034        | .98           | 18.8          | 2.962         |
| %RSD   | 242.18        | 49.501        | .20931        | .36796        | 4.5681        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5535.2</b> | <b>4218.7</b> | <b>50334.</b> | <b>9843.9</b> |
| Stddev    | 10.4          | 6.1           | 16.           | 120.6         |
| %RSD      | .18832        | .14445        | .03164        | 1.2256        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 83.742%  | 89.702%  | 86.693%  | 99.632%  |
| Range   |          |          |          |          |

Sample Name: Pb 10 ppm      Acquired: 1/3/2013 13:48:52      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |                |                |               |                |               |               |              |
|--------|----------------|----------------|----------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Ag3280         | Al3082         | As1890         | B_1826        | Ba4554         | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)       | (Y_2243)      | (Y_3710)       | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb            | ppb            | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>-.70270</b> | <b>-5.8183</b> | <b>-.30149</b> | <b>3.5064</b> | <b>-.00154</b> | <b>.00505</b> | <b>120.43</b> | <b>.0946</b> |
| Stddev | .16967         | 6.1708         | .08933         | .3662         | .10795         | .02304        | 2.08          | .0271        |
| %RSD   | 24.145         | 106.06         | 29.628         | 10.443        | 7027.7         | 456.03        | 1.7268        | 28.67        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |                |               |               |               |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677         | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)       | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.03669</b> | <b>-.00634</b> | <b>.06156</b> | <b>.26457</b> | <b>72.893</b> | <b>3.1064</b> | <b>1.6499</b> | <b>.12738</b> |
| Stddev | .20604        | .23118         | .06282        | 1.6119        | 15.469        | .9839         | 5.3207        | .03427        |
| %RSD   | 561.49        | 3648.7         | 102.05        | 609.26        | 21.221        | 31.675        | 322.48        | 26.907        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175        | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)      | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.27651</b> | <b>497.43</b> | <b>.63730</b> | <b>10841.</b> | <b>-3.209</b> | <b>.41363</b> | <b>.09528</b> | <b>.19695</b> |
| Stddev | .21445        | 48.24         | .14841        | 19.           | .871          | 2.3937        | .32585        | .09842        |
| %RSD   | 77.553        | 9.6983        | 23.287        | .17621        | 27.14         | 578.72        | 341.98        | 49.972        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: Pb 10 ppm      Acquired: 1/3/2013 13:48:52      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|----------------|
| Elem   | Tl1908         | V_2908        | Zn2062        | Si2516        | Sr3464         |
| IS Ref | (In2306)       | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-.61237</b> | <b>.52429</b> | <b>2.3083</b> | <b>7.0612</b> | <b>-3.5222</b> |
| Stddev | .71163         | 1.0461        | .0381         | 3.6076        | 4.0919         |
| %RSD   | 116.21         | 199.54        | 1.6485        | 51.091        | 116.17         |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6566.7</b> | <b>4631.3</b> | <b>57299.</b> | <b>9748.3</b> |
| Stddev    | 6.1           | 4.5           | 240.          | 24.9          |
| %RSD      | .09341        | .09695        | .41905        | .25558        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 99.348%  | 98.474%  | 98.690%  | 98.664%  |
| Range   |          |          |          |          |

Sample Name: Se 4 ppm      Acquired: 1/3/2013 13:52:52      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-.25971</b> | <b>11.046</b> | <b>4234.6</b> | <b>2.4686</b> | <b>8.0060</b> | <b>.24256</b> | <b>5.9129</b> | <b>F 4285.</b> |
| Stddev | .15094         | 13.537        | 4.9           | .2214         | .1677         | .07362        | 1.2543        | 4.             |
| %RSD   | 58.116         | 122.56        | .11457        | 8.9704        | 2.0947        | 30.351        | 21.213        | .1045          |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          |          |          | 2000.    |
| Low Limit  |          |          |          |          |          |          |          | -500000. |

|        |               |               |               |               |               |                |                |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707         | Mg2790         | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            | ppb           |
| Avg    | <b>1.5012</b> | <b>.53180</b> | <b>1.1754</b> | <b>1.6603</b> | <b>6.4936</b> | <b>-.62784</b> | <b>-7.7016</b> | <b>2.3401</b> |
| Stddev | .1859         | .02032        | .1798         | 1.5658        | 14.337        | .27134         | 5.7346         | .0256         |
| %RSD   | 12.385        | 3.8211        | 15.299        | 94.305        | 220.79        | 43.218         | 74.459         | 1.0936        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |               |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>1.8746</b> | <b>391.37</b> | <b>3.5776</b> | <b>4458.6</b> | <b>.7116</b> | <b>4439.8</b> | <b>.33246</b> | <b>1.1749</b> |
| Stddev | .0971         | 10.54         | .3243         | 6.5           | .6287        | 8.9           | .47811        | .0825         |
| %RSD   | 5.1799        | 2.6940        | 9.0656        | .14663        | 88.35        | .19942        | 143.81        | 7.0202        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: Se 4 ppm      Acquired: 1/3/2013 13:52:52      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |                |                |
|--------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516         | Sr3464         |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>8385.3</b> | <b>3.5012</b> | <b>3.1744</b> | <b>-2.8834</b> | <b>-1.3930</b> |
| Stddev | 6.6           | 2.4727        | .0667         | 3.4114         | 4.9835         |
| %RSD   | .07858        | 70.624        | 2.1001        | 118.31         | 357.76         |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6815.4</b> | <b>4752.5</b> | <b>58999.</b> | <b>10201.</b> |
| Stddev    | 4.2           | 5.9           | 46.           | 24.           |
| %RSD      | .06125        | .12473        | .07871        | .23816        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 103.11%  | 101.05%  | 101.62%  | 103.24%  |
| Range   |          |          |          |          |

Sample Name: Ba 25 ppm      Acquired: 1/3/2013 13:56:43      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                 |               |               |               |               |                |               |               |
|--------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Ag3280          | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)        | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)      |
| Units  | ppb             | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-1.16221</b> | <b>15.664</b> | <b>1.0760</b> | <b>3.5541</b> | <b>24925.</b> | <b>-.01293</b> | <b>17.183</b> | <b>-.4667</b> |
| Stddev | .34119          | 8.539         | .4259         | .1344         | 293.          | .00892         | .910          | .0763         |
| %RSD   | 210.34          | 54.515        | 39.578        | 3.7823        | 1.1739        | 68.980         | 5.2975        | 16.35         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |                |               |               |               |               |               |               |
|--------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677         | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)       | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-2.0739</b> | <b>-.01021</b> | <b>1.0678</b> | <b>3.4342</b> | <b>27.479</b> | <b>1.7564</b> | <b>1.3786</b> | <b>.18239</b> |
| Stddev | .0418          | .01835         | .2276         | 1.0393        | 17.517        | 1.2738        | 9.3458        | .04634        |
| %RSD   | 2.0163         | 179.80         | 21.310        | 30.264        | 63.747        | 72.527        | 677.90        | 25.405        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |               |               |               |                |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Mo2020        | Na5895        | Ni2316         | Pb2203        | Sb2175        | Se1960        | Sn1899        | Ti3372         |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)       | (Y_2243)      | (Y_2243)      | (Y_2243)      | (In2306)      | (Y_3600)       |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>.01473</b> | <b>174.49</b> | <b>-.14474</b> | <b>.31601</b> | <b>-.7532</b> | <b>1.8233</b> | <b>.19127</b> | <b>-.04008</b> |
| Stddev | .08345        | 9.44          | .11870         | 1.1176        | 1.231         | 1.6448        | .23947        | .10751         |
| %RSD   | 566.48        | 5.4115        | 82.009         | 353.66        | 163.5         | 90.211        | 125.20        | 268.23         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: Ba 25 ppm      Acquired: 1/3/2013 13:56:43      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |                |               |               |               |
|--------|----------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908         | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)       | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>-.16616</b> | <b>-.21554</b> | <b>3.3637</b> | <b>15.014</b> | <b>4.4440</b> |
| Stddev | .76113         | 1.9516         | .0420         | 1.533         | 2.9686        |
| %RSD   | 458.08         | 905.44         | 1.2475        | 10.213        | 66.799        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6545.0</b> | <b>4593.4</b> | <b>57441.</b> | <b>9849.0</b> |
| Stddev    | 4.7           | 1.6           | 182.          | 68.2          |
| %RSD      | .07140        | .03487        | .31674        | .69290        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 99.019%  | 97.669%  | 98.934%  | 99.683%  |
| Range   |          |          |          |          |

Sample Name: Se 4 ppm      Acquired: 1/3/2013 14:05:41      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |                |               |               |               |               |              |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>-.36234</b> | <b>3.9546</b> | <b>-.85020</b> | <b>1.0213</b> | <b>.47996</b> | <b>.06576</b> | <b>55.232</b> | <b>.0489</b> |
| Stddev | .27248         | 16.186        | .81302         | .1565         | .15721        | .03646        | .480          | .0825        |
| %RSD   | 75.200         | 409.30        | 95.627         | 15.323        | 32.754        | 55.445        | .86857        | 168.6        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |               |               |               |               |                |               |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790         | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3600)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>-.06516</b> | <b>.18250</b> | <b>.12406</b> | <b>1.5642</b> | <b>.09299</b> | <b>1.5861</b> | <b>-8.8297</b> | <b>.13380</b> |
| Stddev | .12844         | .04091        | .34915        | 1.5018        | 8.7854        | .8921         | 20.942         | .00388        |
| %RSD   | 197.10         | 22.415        | 281.43        | 96.010        | 9448.0        | 56.245        | 237.17         | 2.8971        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |               |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.05387</b> | <b>118.83</b> | <b>.70188</b> | <b>.07186</b> | <b>.3580</b> | <b>4018.6</b> | <b>.52595</b> | <b>.48834</b> |
| Stddev | .13104        | 6.84          | .11366        | .75842        | 1.191        | 3.8           | .41855        | .12945        |
| %RSD   | 243.27        | 5.7588        | 16.194        | 1055.4        | 332.7        | .09401        | 79.580        | 26.508        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: Se 4 ppm      Acquired: 1/3/2013 14:05:41      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|----------------|
| Elem   | Tl1908         | V_2908        | Zn2062        | Si2516        | Sr3464         |
| IS Ref | (In2306)       | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-.17052</b> | <b>.43417</b> | <b>1.1408</b> | <b>6.0027</b> | <b>-.75060</b> |
| Stddev | .38144         | 1.3512        | .0915         | 4.3610        | 3.5584         |
| %RSD   | 223.70         | 311.21        | 8.0208        | 72.652        | 474.07         |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6480.9</b> | <b>4566.5</b> | <b>56574.</b> | <b>9702.1</b> |
| Stddev    | 19.9          | 11.6          | 188.          | 38.4          |
| %RSD      | .30654        | .25316        | .33282        | .39576        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 98.049%  | 97.097%  | 97.441%  | 98.196%  |
| Range   |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 14:09:38      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1010.6   | 24939.   | 521.30   | 5117.8   | 2001.0   | 2067.9   | 50947.   | 511.9    |
| Stddev | 2.1      | 46.      | 1.21     | 10.6     | 1.7      | 2.7      | 62.      | .3       |
| %RSD   | .20437   | .18455   | .23222   | .20619   | .08428   | .13199   | .12186   | .0499    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2007.9   | 2006.1   | 2025.8   | 25654.   | 48895.   | 5151.5   | 50903.   | 2046.2   |
| Stddev | 2.9      | 3.1      | 2.0      | 53.      | 45.      | 9.9      | 48.      | 3.0      |
| %RSD   | .14300   | .15241   | .09835   | .20492   | .09144   | .19238   | .09435   | .14649   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2070.3   | 50016.   | 2006.0   | 504.02   | 507.7    | 508.08   | 4960.7   | 5212.2   |
| Stddev | 3.4      | 108.     | 3.2      | 1.67     | 1.8      | .27      | 6.9      | 20.1     |
| %RSD   | .16305   | .21616   | .16019   | .33207   | .3513    | .05361   | .13946   | .38475   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |



Sample Name: CCV      Acquired: 1/3/2013 14:09:38      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1033.1   | 2016.2   | 2033.2   | 5366.9   | 5057.6   |
| Stddev | 3.0      | .9       | 4.1      | 77.7     | 22.9     |
| %RSD   | .29096   | .04431   | .20179   | 1.4480   | .45192   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6017.6 | 4440.6 | 54568. | 9687.0 |
| Stddev    | 7.8    | 5.1    | 151.   | 15.1   |
| %RSD      | .12966 | .11488 | .27648 | .15585 |

Sample Name: CCB      Acquired: 1/3/2013 14:13:25      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |                |               |               |               |               |              |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>-.29090</b> | <b>1.4486</b> | <b>-1.3714</b> | <b>6.5488</b> | <b>.07294</b> | <b>.09129</b> | <b>28.827</b> | <b>.0995</b> |
| Stddev | .60342         | 7.5895        | 1.1411         | .3921         | .13333        | .01996        | 2.284         | .1041        |
| %RSD   | 207.43         | 523.93        | 83.209         | 5.9868        | 182.80        | 21.861        | 7.9231        | 104.6        |

|            |          |          |          |      |          |          |          |          |
|------------|----------|----------|----------|------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |      |          |          |          |          |
| Low Limit  |          |          |          |      |          |          |          |          |

|        |                |                |               |               |                |               |                |               |
|--------|----------------|----------------|---------------|---------------|----------------|---------------|----------------|---------------|
| Elem   | Co2286         | Cr2677         | Cu3273        | Fe2599        | K_7664         | Li6707        | Mg2790         | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)       | (Y_3600)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3710)       | (Y_3600)      |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb            | ppb           | ppb            | ppb           |
| Avg    | <b>-.02882</b> | <b>-.05499</b> | <b>.03693</b> | <b>3.5065</b> | <b>-4.5612</b> | <b>2.6936</b> | <b>-4.9295</b> | <b>.05364</b> |
| Stddev | .07319         | .23574         | .63457        | .5310         | 13.687         | .1598         | 6.7982         | .02538        |
| %RSD   | 253.94         | 428.72         | 1718.1        | 15.142        | 300.08         | 5.9309        | 137.91         | 47.323        |

|            |          |          |          |          |          |      |          |          |
|------------|----------|----------|----------|----------|----------|------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | None | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |      |          |          |
| Low Limit  |          |          |          |          |          |      |          |          |

|        |               |               |                |                |              |               |               |               |
|--------|---------------|---------------|----------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316         | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)       | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.68259</b> | <b>74.258</b> | <b>-.10712</b> | <b>-.18129</b> | <b>1.063</b> | <b>.02630</b> | <b>.42008</b> | <b>1.4205</b> |
| Stddev | .21092        | 12.926        | .19160         | .34687         | 2.725        | 1.6743        | .50717        | .0340         |
| %RSD   | 30.900        | 17.406        | 178.87         | 191.33         | 256.5        | 6366.0        | 120.73        | 2.3929        |

|            |          |          |          |          |          |          |          |      |
|------------|----------|----------|----------|----------|----------|----------|----------|------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit |          |          |          |          |          |          |          |      |
| Low Limit  |          |          |          |          |          |          |          |      |

Sample Name: CCB      Acquired: 1/3/2013 14:13:25      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908         | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)       | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.31187</b> | <b>2.1781</b> | <b>1.0013</b> | <b>1.1120</b> | <b>.99545</b> |
| Stddev | .50461         | 1.3589        | .0701         | 2.7703        | 2.4546        |
| %RSD   | 161.80         | 62.390        | 6.9955        | 249.13        | 246.58        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6543.4</b> | <b>4584.5</b> | <b>56401.</b> | <b>9683.4</b> |
| Stddev    | 1.4           | 3.5           | 144.          | 42.9          |
| %RSD      | .02078        | .07649        | .25491        | .44318        |

Sample Name: CRI      Acquired: 1/3/2013 14:17:25      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 4.8113   | 193.68   | 15.254   | 201.67   | 9.7616   | 4.9834   | 5029.9   | 5.025    |
| Stddev | .1912    | 7.61     | 1.272    | .21      | .2949    | .0152    | 4.8      | .048     |
| %RSD   | 3.9734   | 3.9283   | 8.3403   | .10351   | 3.0215   | .30433   | .09631   | .9483    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 4.8392   | 5.0512   | 14.411   | 316.97   | 4671.4   | 51.687   | 5099.1   | 15.703   |
| Stddev | .0576    | .2813    | .687     | 1.82     | 9.7      | 1.511    | 20.6     | .005     |
| %RSD   | 1.1909   | 5.5687   | 4.7667   | .57371   | .20710   | 2.9230   | .40369   | .03403   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 10.366   | 4896.1   | 24.469   | 10.061   | 11.08    | 19.277   | 95.641   | 51.235   |
| Stddev | .067     | 13.1     | .208     | 1.238    | .43      | .223     | .246     | .117     |
| %RSD   | .64655   | .26705   | .85022   | 12.302   | 3.847    | 1.1576   | .25707   | .22847   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CRI      Acquired: 1/3/2013 14:17:25      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>14.562</b> | <b>8.8551</b> | <b>39.014</b> | <b>515.63</b> | <b>52.265</b> |
| Stddev | .973          | .7823         | .213          | 8.14          | 2.855         |
| %RSD   | 6.6835        | 8.8350        | .54646        | 1.5791        | 5.4617        |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6511.0</b> | <b>4607.8</b> | <b>57136.</b> | <b>9860.4</b> |
| Stddev    | 8.5           | 8.6           | 165.          | 15.9          |
| %RSD      | .13030        | .18617        | .28889        | .16158        |

Sample Name: MDLV      Acquired: 1/3/2013 14:21:18      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |              |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>4.6656</b> | <b>200.63</b> | <b>9.5870</b> | <b>54.637</b> | <b>5.1312</b> | <b>1.5754</b> | <b>1061.7</b> | <b>1.008</b> |
| Stddev | .3143         | 3.66          | .2182         | .308          | .0548         | .0321         | 1.7           | .027         |
| %RSD   | 6.7367        | 1.8232        | 2.2761        | .56372        | 1.0680        | 2.0349        | .16017        | 2.653        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>4.1143</b> | <b>4.0618</b> | <b>12.945</b> | <b>106.23</b> | <b>857.43</b> | <b>1.1896</b> | <b>314.07</b> | <b>5.4419</b> |
| Stddev | .2238         | .0109         | .822          | 1.28          | 10.03         | .6667         | 4.70          | .0211         |
| %RSD   | 5.4407        | .26831        | 6.3520        | 1.2066        | 1.1703        | 56.048        | 1.4958        | .38769        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |               |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>21.289</b> | <b>1044.8</b> | <b>4.9940</b> | <b>5.2452</b> | <b>21.56</b> | <b>9.5051</b> | <b>47.164</b> | <b>4.4349</b> |
| Stddev | .065          | 12.5          | .2140         | .9933         | .42          | 2.6007        | .792          | .2280         |
| %RSD   | .30550        | 1.2008        | 4.2840        | 18.937        | 1.937        | 27.361        | 1.6795        | 5.1401        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: MDLV      Acquired: 1/3/2013 14:21:18      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>20.672</b> | <b>5.2758</b> | <b>20.881</b> | <b>5.9649</b> | <b>1.2527</b> |
| Stddev | .644          | 2.7042        | .049          | 2.4785        | 2.3892        |
| %RSD   | 3.1167        | 51.257        | .23611        | 41.551        | 190.73        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6589.7</b> | <b>4635.1</b> | <b>57199.</b> | <b>9844.5</b> |
| Stddev    | 6.9           | 13.9          | 122.          | 20.4          |
| %RSD      | .10526        | .29965        | .21312        | .20749        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 99.696%  | 98.556%  | 98.517%  | 99.637%  |
| Range   |          |          |          |          |

*202701-4-13*

Sample Name: ~~CEV~~ Acquired: 1/3/2013 14:25:13 Type: QC  
 Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000  
 User: Roger Method: 6010B/6010C Method: 200.7 :  
 Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1006.6   | 25005.   | 518.40   | 5112.1   | 1997.4   | 2064.6   | 50873.   | 510.8    |
| Stddev | 4.5      | 49.      | 1.91     | 10.9     | 4.7      | 1.1      | 32.      | 1.2      |
| %RSD   | .44471   | .19755   | .36828   | .21336   | .23372   | .05262   | .06225   | .2344    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2006.2   | 1999.2   | 2016.7   | 25610.   | 48931.   | 5146.4   | 50725.   | 2033.7   |
| Stddev | .6       | 8.1      | 9.8      | 18.      | 72.      | 6.9      | 98.      | 11.9     |
| %RSD   | .02761   | .40690   | .48564   | .07050   | .14680   | .13313   | .19265   | .58638   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2074.5   | 50052.   | 2003.6   | 503.09   | 504.9    | 503.69   | 4930.4   | 5199.3   |
| Stddev | 1.5      | 111.     | 1.2      | 2.20     | .6       | 1.79     | 5.3      | 35.7     |
| %RSD   | .07027   | .22173   | .06045   | .43779   | .1105    | .35464   | .10701   | .68671   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |



2013 01-413

Sample Name: ~~CCV~~ Acquired: 1/3/2013 14:25:13 Type: QC

Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000

User: Roger Method: 6010B/6010C Method: 200.7 :

Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1034.1   | 2018.0   | 2028.3   | 5312.2   | 5055.0   |
| Stddev | 1.6      | 2.9      | 2.0      | 66.7     | 9.5      |
| %RSD   | .15435   | .14546   | .09924   | 1.2562   | .18711   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6027.6 | 4441.0 | 54881. | 9702.2 |
| Stddev    | 3.6    | 6.3    | 227.   | 49.7   |
| %RSD      | .06049 | .14180 | .41301 | .51272 |

Sample Name: CCV      Acquired: 1/3/2013 14:29:03      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1010.9   | 25048.   | 524.16   | 5135.2   | 2002.9   | 2072.0   | 51025.   | 512.9    |
| Stddev | 1.2      | 10.      | 1.22     | .6       | 2.6      | 6.3      | 95.      | .1       |
| %RSD   | .11965   | .04172   | .23320   | .01112   | .13126   | .30391   | .18581   | .0216    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2012.8   | 2011.4   | 2029.6   | 25699.   | 49129.   | 5171.4   | 50843.   | 2029.0   |
| Stddev | 1.8      | 5.5      | 2.5      | 60.      | 54.      | 7.5      | 64.      | 17.6     |
| %RSD   | .08881   | .27193   | .12552   | .23342   | .10927   | .14496   | .12571   | .86755   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2085.0   | 50134.   | 2014.2   | 507.23   | 507.0    | 505.35   | 4945.3   | 5245.9   |
| Stddev | 4.2      | 65.      | 1.7      | 2.47     | 2.6      | .76      | 11.6     | 14.2     |
| %RSD   | .20030   | .12985   | .08261   | .48724   | .5200    | .15037   | .23518   | .27084   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 14:29:03      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1038.4</b> | <b>2027.5</b> | <b>2038.0</b> | <b>5340.6</b> | <b>5066.8</b> |
| Stddev | 1.4           | 2.5           | 1.9           | 64.1          | 1.1           |
| %RSD   | .13533        | .12131        | .09259        | 1.1997        | .02097        |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5994.4</b> | <b>4411.8</b> | <b>54579.</b> | <b>9699.9</b> |
| Stddev    | .9            | 7.4           | 73.           | 7.3           |
| %RSD      | .01488        | .16681        | .13420        | .07574        |

Sample Name: CCB      Acquired: 1/3/2013 14:49:40      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -.20015  | -2.4707  | -.59464  | 2.6964   | .03811   | .05289   | 2.1159   | .0257    |
| Stddev | .25581   | 8.7330   | .57125   | .1762    | .08017   | .05637   | .4985    | .0982    |
| %RSD   | 127.81   | 353.46   | 96.066   | 6.5331   | 210.35   | 106.59   | 23.562   | 382.5    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .07723   | .04520   | -.37258  | .64027   | -6.3158  | 1.2302   | -14.315  | .03812   |
| Stddev | .12127   | .18551   | .39618   | .79150   | 33.013   | .6251    | 7.780    | .02556   |
| %RSD   | 157.02   | 410.43   | 106.34   | 123.62   | 522.71   | 50.817   | 54.348   | 67.051   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .29593   | 28.870   | -.04545  | -.95095  | .9981    | 1.4767   | .37477   | 1.4788   |
| Stddev | .08727   | 8.005    | .07888   | .88512   | 1.434    | 1.2237   | .26905   | .0387    |
| %RSD   | 29.490   | 27.730   | 173.55   | 93.078   | 143.7    | 82.865   | 71.791   | 2.6179   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 14:49:40      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -.21541  | .66235   | .19806   | .85832   | 1.4890   |
| Stddev | .47022   | .21830   | .00413   | 3.7104   | 3.1255   |
| %RSD   | 218.29   | 32.958   | 2.0840   | 432.29   | 209.91   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6556.1 | 4604.8 | 56565. | 9738.3 |
| Stddev    | 2.0    | 5.3    | 225.   | 57.9   |
| %RSD      | .03127 | .11568 | .39754 | .59505 |

Sample Name: **CEC 1-4-13** Acquired: 1/3/2013 14:53:41 Type: QC  
 Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000  
 User: Roger Method: 6010B/6010C Method: 200.7 :  
 Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -1.12887 | -3.4983  | -1.13970 | 1.9166   | -0.00284 | -0.00937 | 18.855   | .0325    |
| Stddev | .12527   | 9.2307   | 1.1317   | .1656    | .17574   | .05074   | .469     | .1266    |
| %RSD   | 97.201   | 263.86   | 810.12   | 8.6423   | 6189.2   | 541.45   | 2.4878   | 389.9    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -0.09815 | .13314   | -0.58411 | .78492   | -11.783  | .64660   | -3.0372  | .04476   |
| Stddev | .03311   | .02585   | .73529   | 1.3238   | 5.373    | .12584   | 7.7153   | .04152   |
| %RSD   | 33.729   | 19.419   | 125.88   | 168.65   | 45.594   | 19.462   | 254.03   | 92.755   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .04686   | 25.432   | .18162   | .32728   | 1.845    | .16302   | -0.00845 | .33002   |
| Stddev | .11710   | 9.123    | .24181   | .42121   | .616     | 1.2410   | .41066   | .19220   |
| %RSD   | 249.91   | 35.871   | 133.14   | 128.70   | 33.39    | 761.25   | 4860.3   | 58.237   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

2013-01-13

Sample Name: ~~CEB~~ Acquired: 1/3/2013 14:53:41 Type: QC  
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000  
User: Roger Method: 6010B/6010C Method: 200.7 :  
Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .62793   | .47640   | .63950   | 2.0701   | 2.9757   |
| Stddev | 1.3299   | 1.8277   | .04798   | 4.8150   | 3.9387   |
| %RSD   | 211.79   | 383.64   | 7.5022   | 232.60   | 132.36   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6592.0 | 4614.5 | 57148. | 9806.7 |
| Stddev    | 10.4   | 9.6    | 88.    | 10.7   |
| %RSD      | .15717 | .20855 | .15443 | .10904 |

Sample Name: 240-19180-A-8-B@2      Acquired: 1/3/2013 15:58:44      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7 :  
 Comment:

| Elem   | Ag3280         | Al3082        | <i>new</i><br><u>As1890</u> | B_1826        | Ba4554        | Be3130         | Ca3179        |
|--------|----------------|---------------|-----------------------------|---------------|---------------|----------------|---------------|
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)                    | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb            | ppb           | ppb                         | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>-.43662</b> | <b>1510.9</b> | <b>8.5078</b>               | <b>127.28</b> | <b>21.456</b> | <b>-.03561</b> | <b>63188.</b> |
| Stddev | .33159         | 8.6           | .7494                       | .11           | .238          | .02695         | 47.           |
| %RSD   | 75.946         | .57100        | 8.8090                      | .08661        | 1.1115        | 75.680         | .07438        |

| Check ?  | High Limit | Low Limit |
|----------|------------|-----------|
| Chk Pass | Chk Pass   | Chk Pass  |

| Elem   | Cd2288       | Co2286        | <u>Cr2677</u> | Cu3273        | Fe2599        | K_7664        | Li6707         |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|----------------|
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>.1361</b> | <b>.54309</b> | <b>11321.</b> | <b>56.481</b> | <b>2412.8</b> | <b>4227.7</b> | <b>-.11397</b> |
| Stddev | .0242        | .04896        | 34.           | .971          | 5.6           | 17.7          | .39030         |
| %RSD   | 17.80        | 9.0148        | .29801        | 1.7195        | .23269        | .41824        | 342.47         |

| Check ?  | High Limit | Low Limit |
|----------|------------|-----------|
| Chk Pass | Chk Pass   | Chk Pass  |

| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>9794.1</b> | <b>65.892</b> | <b>1.1097</b> | <b>106020.</b> | <b>5.9443</b> | <b>.67909</b> | <b>1.079</b> |
| Stddev | 23.5          | .323          | .0839         | 77.            | .2608         | .99764        | .700         |
| %RSD   | .24011        | .48951        | 7.5644        | .07237         | 4.3879        | 146.91        | 64.86        |

| Check ?  | High Limit | Low Limit |
|----------|------------|-----------|
| Chk Pass | Chk Pass   | Chk Pass  |



Sample Name: 240-19180-A-8-B@2      Acquired: 1/3/2013 15:58:44      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.2705</b> | <b>2.6242</b> | <b>21.569</b> | <b>4.0142</b> | <b>2.2060</b> | <b>16.731</b> | <b>4971.0</b> |
| Stddev | 1.2049        | .2989         | 1.045         | 1.5092        | 1.5029        | .040          | 180.9         |
| %RSD   | 94.835        | 11.391        | 4.8436        | 37.597        | 68.129        | .24194        | 3.6394        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>123.16</b> |
| Stddev | 4.30          |
| %RSD   | 3.4913        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6138.7</b> | <b>4514.6</b> | <b>54907.</b> | <b>9784.6</b> |
| Stddev    | 6.4           | 4.7           | 178.          | 36.1          |
| %RSD      | .10371        | .10448        | .32452        | .36936        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 92.872%  | 95.995%  | 94.569%  | 99.031%  |
| Range   |          |          |          |          |

Sample Name: 240-19180-A-3-E      Acquired: 1/3/2013 16:02:33      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |               |               |               |                |               |              |
|--------|----------------|----------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082         | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.54148</b> | <b>-5.4688</b> | <b>12.600</b> | <b>61.394</b> | <b>296.14</b> | <b>-.12984</b> | <b>77940.</b> | <b>.1324</b> |
| Stddev | .11677         | 14.216         | .787          | .184          | .32           | .03217         | 123.          | .1406        |
| %RSD   | 21.565         | 259.95         | 6.2476        | .29926        | .10676        | 24.774         | .15730        | 106.2        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |               |               |               |               |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.01636</b> | <b>.53905</b> | <b>-.81069</b> | <b>2.3847</b> | <b>1086.7</b> | <b>7.7801</b> | <b>13515.</b> | <b>44.894</b> |
| Stddev | .13682        | .34528        | .26103         | .9608         | 18.7          | .4054         | 48.           | .095          |
| %RSD   | 836.50        | 64.053        | 32.198         | 40.292        | 1.7168        | 5.2113        | .35197        | .21258        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |                |                |               |
|--------|---------------|---------------|---------------|----------------|--------------|----------------|----------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960         | Sn1899         | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)       | (In2306)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb            | ppb            | ppb           |
| Avg    | <b>17.260</b> | <b>24540.</b> | <b>.88799</b> | <b>-1.0769</b> | <b>1.319</b> | <b>-.97284</b> | <b>-.08912</b> | <b>.14112</b> |
| Stddev | .305          | 20.           | .17656        | .5153          | .864         | .79566         | .11602         | .08269        |
| %RSD   | 1.7649        | .08086        | 19.883        | 47.852         | 65.48        | 81.787         | 130.19         | 58.595        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-19180-A-3-E      Acquired: 1/3/2013 16:02:33      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.81562</b> | <b>.87495</b> | <b>1.6571</b> | <b>8527.1</b> | <b>547.45</b> |
| Stddev | .39262        | .60706        | .0486         | 11.6          | 3.62          |
| %RSD   | 48.138        | 69.382        | 2.9327        | .13623        | .66121        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6360.9</b> | <b>4577.2</b> | <b>56102.</b> | <b>9938.6</b> |
| Stddev    | 3.8           | 3.2           | 145.          | 6.7           |
| %RSD      | .05943        | .06978        | .25871        | .06729        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 96.234%  | 97.326%  | 96.628%  | 100.59%  |
| Range   |          |          |          |          |

Sample Name: 240-19180-A-5-C      Acquired: 1/3/2013 16:06:29      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |               |               |               |                |                |
|--------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082         | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.48547</b> | <b>-7.6787</b> | <b>3.3380</b> | <b>392.63</b> | <b>54.656</b> | <b>-.20934</b> | <b>137210.</b> |
| Stddev | .18668         | 7.0960         | 1.7260        | .07           | .060          | .04495         | 249.           |
| %RSD   | 38.453         | 92.412         | 51.708        | .01832        | .10947        | 21.471         | .18175         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |                |               |               |               |               |                |
|--------|--------------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Cd2288       | Co2286         | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707         |
| IS Ref | (Y_2243)     | (In2306)       | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb          | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>.2170</b> | <b>-.02243</b> | <b>2530.2</b> | <b>.09339</b> | <b>2.2884</b> | <b>11775.</b> | <b>-10.520</b> |
| Stddev | .1096        | .03604         | 4.1           | .40288        | 1.0429        | 14.           | 1.155          |
| %RSD   | 50.50        | 160.67         | .16339        | 431.41        | 45.574        | .11887        | 10.974         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |                |              |
|--------|---------------|---------------|---------------|----------------|---------------|----------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203         | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)       | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb            | ppb          |
| Avg    | <b>19852.</b> | <b>2.6391</b> | <b>4.3019</b> | <b>116700.</b> | <b>1.5544</b> | <b>-.08933</b> | <b>1.975</b> |
| Stddev | 41.           | .0268         | .0641         | 1427.          | .5322         | .95623         | .397         |
| %RSD   | .20651        | 1.0175        | 1.4905        | 1.2228         | 34.240        | 1070.4         | 20.10        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19180-A-5-C      Acquired: 1/3/2013 16:06:29      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |                |               |               |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908         | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>6.2585</b> | <b>.03671</b> | <b>.02038</b> | <b>2.0932</b> | <b>-.79403</b> | <b>2.0890</b> | <b>7138.8</b> |
| Stddev | 1.3987        | .27866        | .27297        | .5063         | 1.0095         | .0888         | 12.5          |
| %RSD   | 22.348        | 759.13        | 1339.6        | 24.188        | 127.13         | 4.2497        | .17463        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>370.85</b> |
| Stddev | 1.99          |
| %RSD   | .53621        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6120.8</b> | <b>4477.1</b> | <b>54664.</b> | <b>9870.0</b> |
| Stddev    | 11.3          | 3.8           | 170.          | 26.6          |
| %RSD      | .18448        | .08415        | .31026        | .26931        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 92.602%  | 95.196%  | 94.151%  | 99.896%  |
| Range   |          |          |          |          |

Sample Name: MB 240-69368/1-A      Acquired: 1/3/2013 16:10:40      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                 |                |               |               |                |                |               |               |
|--------|-----------------|----------------|---------------|---------------|----------------|----------------|---------------|---------------|
| Elem   | Ag3280          | Al3082         | As1890        | B_1826        | Ba4554         | Be3130         | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)        | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)       | (Y_3710)       | (Y_3710)      | (Y_2243)      |
| Units  | ppb             | ppb            | ppb           | ppb           | ppb            | ppb            | ppb           | ppb           |
| Avg    | <b>-1.16557</b> | <b>-5.0066</b> | <b>.33853</b> | <b>.64333</b> | <b>-.09775</b> | <b>-.00164</b> | <b>104.61</b> | <b>-.0573</b> |
| Stddev | .04827          | 20.785         | .40329        | .20850        | .27773         | .08020         | 4.06          | .2019         |
| %RSD   | 29.155          | 415.15         | 119.13        | 32.410        | 284.14         | 4886.9         | 3.8773        | 352.4         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |                |                |               |                |               |                |               |
|--------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|---------------|
| Elem   | Co2286         | Cr2677         | Cu3273         | <b>Fe2599</b> | K_7664         | Li6707        | Mg2790         | <b>Mn2576</b> |
| IS Ref | (In2306)       | (Y_3600)       | (Y_3600)       | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3710)       | (Y_3600)      |
| Units  | ppb            | ppb            | ppb            | ppb           | ppb            | ppb           | ppb            | ppb           |
| Avg    | <b>-.07438</b> | <b>-.04747</b> | <b>-.72577</b> | <b>3.5400</b> | <b>-19.148</b> | <b>.13366</b> | <b>-11.857</b> | <b>.36865</b> |
| Stddev | .12210         | .09811         | .49282         | .4314         | 40.390         | 1.1019        | 9.328          | .00830        |
| %RSD   | 164.16         | 206.68         | 67.902         | 12.187        | 210.94         | 824.39        | 78.675         | 2.2516        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |                |                |              |               |               |                |
|--------|----------------|---------------|----------------|----------------|--------------|---------------|---------------|----------------|
| Elem   | Mo2020         | Na5895        | Ni2316         | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372         |
| IS Ref | (Y_2243)       | (Y_3710)      | (In2306)       | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)       |
| Units  | ppb            | ppb           | ppb            | ppb            | ppb          | ppb           | ppb           | ppb            |
| Avg    | <b>-.01584</b> | <b>56.168</b> | <b>-.22364</b> | <b>-.34673</b> | <b>.9587</b> | <b>.17648</b> | <b>1.5021</b> | <b>-.03398</b> |
| Stddev | .11471         | 7.165         | .02920         | 1.1195         | 1.868        | .94144        | .0912         | .11389         |
| %RSD   | 724.30         | 12.757        | 13.058         | 322.87         | 194.8        | 533.47        | 6.0730        | 335.20         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: MB 240-69368/1-A      Acquired: 1/3/2013 16:10:40      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Ti1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .72599   | 1.4376   | 1.7062   | 8.6906   | 1.0987   |
| Stddev | .73301   | 1.2602   | .0288    | 4.8661   | 2.1887   |
| %RSD   | 100.97   | 87.658   | 1.6887   | 55.993   | 199.20   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6634.0 | 4692.0 | 57821. | 10006. |
| Stddev    | 2.1    | 4.6    | 172.   | 27.    |
| %RSD      | .03151 | .09901 | .29714 | .27060 |

Sample Name: LCS 240-69368/2-A      Acquired: 1/3/2013 16:14:40      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 105.72   | 10292.   | 1045.3   | 103.66   | 1030.9   | 1063.2   | 10496.   | 1044.    |
| Stddev | .67      | 21.      | 1.4      | .25      | 2.0      | 1.1      | 13.      | 1.       |
| %RSD   | .63417   | .20125   | .13046   | .24412   | .19204   | .10674   | .12221   | .1058    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1023.2   | 1044.1   | 1049.1   | 10426.   | 9740.3   | -2.3069  | 10502.   | 1083.9   |
| Stddev | .6       | 2.0      | 1.8      | 17.      | 31.7     | .7000    | 5.       | 2.2      |
| %RSD   | .05864   | .19572   | .16903   | .16761   | .32506   | 30.343   | .04939   | .20490   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 104.65   | 10148.   | 1030.8   | 1045.6   | 103.9    | 1062.0   | 100.07   | 105.03   |
| Stddev | .02      | 6.       | 1.3      | .4       | 2.1      | 2.1      | .40      | .27      |
| %RSD   | .02198   | .05804   | .12685   | .03490   | 2.067    | .19728   | .39934   | .25385   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: LCS 240-69368/2-A      Acquired: 1/3/2013 16:14:40      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 263.61   | 1038.2   | 1031.6   | 4.2644   | 1043.5   |
| Stddev | .79      | 2.2      | .3       | .5407    | 5.0      |
| %RSD   | .30066   | .21566   | .03161   | 12.680   | .48324   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6498.2 | 4666.0 | 57143. | 9960.1 |
| Stddev    | 2.1    | 1.9    | 188.   | 42.2   |
| %RSD      | .03224 | .04008 | .32909 | .42350 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 98.312%  | 99.212%  | 98.420%  | 100.81%  |
| Range   |          |          |          |          |

Sample Name: 240-18893-A-1-A      Acquired: 1/3/2013 16:18:19      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |                |               |               |                |               |              |
|--------|----------------|----------------|----------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082         | As1890         | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb            | ppb            | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.13645</b> | <b>-1.5909</b> | <b>-.52486</b> | <b>92.955</b> | <b>10.331</b> | <b>-.00143</b> | <b>50927.</b> | <b>.0548</b> |
| Stddev | .49221         | 16.915         | 1.4120         | .254          | .099          | .03912         | 65.           | .0536        |
| %RSD   | 360.72         | 1063.2         | 269.02         | .27360        | .95913        | 2733.7         | .12834        | 97.86        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | <b>Fe2599</b> | K_7664        | Li6707        | Mg2790        | <b>Mn2576</b> |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.23561</b> | <b>.60453</b> | <b>.34063</b> | <b>12.754</b> | <b>2587.1</b> | <b>1.0371</b> | <b>12667.</b> | <b>9.9682</b> |
| Stddev | .05984        | .16890        | .18721        | 1.324         | 30.2          | 1.0713        | 14.           | .0691         |
| %RSD   | 25.396        | 27.940        | 54.961        | 10.381        | 1.1666        | 103.30        | .10902        | .69343        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |                |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899         | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb            | ppb           |
| Avg    | <b>3.6324</b> | <b>29730.</b> | <b>.31611</b> | <b>.30655</b> | <b>1.366</b> | <b>.10601</b> | <b>-.01413</b> | <b>.24171</b> |
| Stddev | .2258         | 42.           | .10291        | .48228        | .646         | .61406        | .46710         | .08050        |
| %RSD   | 6.2159        | .14077        | 32.555        | 157.32        | 47.30        | 579.25        | 3306.8         | 33.304        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-18893-A-1-A      Acquired: 1/3/2013 16:18:19      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.6579</b> | <b>.43980</b> | <b>.75486</b> | <b>3103.6</b> | <b>275.38</b> |
| Stddev | .3831         | 2.1842        | .05867        | 9.3           | 1.33          |
| %RSD   | 23.104        | 496.64        | 7.7721        | .29972        | .48458        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6425.8</b> | <b>4592.9</b> | <b>56838.</b> | <b>9919.7</b> |
| Stddev    | 7.1           | 5.0           | 52.           | 42.3          |
| %RSD      | .11022        | .10940        | .09084        | .42640        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 97.216%  | 97.658%  | 97.895%  | 100.40%  |
| Range   |          |          |          |          |

Sample Name: SD 240-18893-a-1-a@5      Acquired: 1/3/2013 16:22:13      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |              |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.37046</b> | <b>.27151</b> | <b>.10405</b> | <b>17.324</b> | <b>2.0626</b> | <b>-.00760</b> | <b>10134.</b> | <b>.0154</b> |
| Stddev | .23780         | 12.383        | .65259        | .141          | .0261         | .02623         | 12.           | .1408        |
| %RSD   | 64.191         | 4560.6        | 627.16        | .81494        | 1.2640        | 345.00         | .12103        | 915.1        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |                |               |               |               |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.01294</b> | <b>.23162</b> | <b>-.52421</b> | <b>2.6064</b> | <b>502.21</b> | <b>.07123</b> | <b>2570.7</b> | <b>2.0665</b> |
| Stddev | .19146         | .24889        | .55726         | 1.5827        | 7.45          | .91866        | 32.9          | .0296         |
| %RSD   | 1479.5         | 107.46        | 106.31         | 60.725        | 1.4838        | 1289.7        | 1.2797        | 1.4302        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |                |               |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|----------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899         | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb            | ppb           |
| Avg    | <b>.86958</b> | <b>5847.7</b> | <b>.57214</b> | <b>-1.1297</b> | <b>2.158</b> | <b>1.3162</b> | <b>-.04538</b> | <b>.09744</b> |
| Stddev | .10464        | 9.5           | .27174        | .2506          | 1.048        | 1.7128        | .05409         | .02433        |
| %RSD   | 12.034        | .16298        | 47.494        | 22.185         | 48.56        | 130.13        | 119.18         | 24.964        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: SD 240-18893-a-1-a@5      Acquired: 1/3/2013 16:22:13      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908         | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)       | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.03050</b> | <b>.98216</b> | <b>.77794</b> | <b>622.04</b> | <b>52.651</b> |
| Stddev | .45629         | 1.6632        | .07145        | 7.06          | .880          |
| %RSD   | 1495.9         | 169.34        | 9.1850        | 1.1344        | 1.6707        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6584.3</b> | <b>4651.0</b> | <b>57375.</b> | <b>9870.9</b> |
| Stddev    | 6.3           | 9.3           | 67.           | 54.2          |
| %RSD      | .09630        | .20087        | .11630        | .54868        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 99.614%  | 98.894%  | 98.820%  | 99.904%  |
| Range   |          |          |          |          |

Sample Name: mb 240-70811/1-a      Acquired: 1/3/2013 16:26:13      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |                |                |                |                |               |              |
|--------|----------------|---------------|----------------|----------------|----------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890         | B_1826         | Ba4554         | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)       | (Y_2243)       | (Y_3710)       | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb            | ppb            | ppb            | ppb            | ppb           | ppb          |
| Avg    | <b>-.14557</b> | <b>16.558</b> | <b>-.10832</b> | <b>-.46343</b> | <b>-.04475</b> | <b>-.04961</b> | <b>17.999</b> | <b>.1166</b> |
| Stddev | .28603         | 9.554         | .11701         | .24162         | .36972         | .03142         | 1.333         | .1581        |
| %RSD   | 196.49         | 57.702        | 108.02         | 52.138         | 826.25         | 63.335         | 7.4082        | 135.6        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |                |                |                |               |
|--------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664         | Li6707         | Mg2790         | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)       | (Y_3710)       | (Y_3710)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            | ppb            | ppb           |
| Avg    | <b>.19083</b> | <b>.18677</b> | <b>.11686</b> | <b>3.0585</b> | <b>-21.667</b> | <b>-.34962</b> | <b>-3.3638</b> | <b>.65334</b> |
| Stddev | .23672        | .17385        | .61823        | .1554         | 36.839         | .92527         | 10.273         | .01253        |
| %RSD   | 124.05        | 93.086        | 529.02        | 5.0824        | 170.03         | 264.65         | 305.39         | 1.9184        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |                |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899         | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb            | ppb           |
| Avg    | <b>.16196</b> | <b>26.081</b> | <b>.56808</b> | <b>.47910</b> | <b>.5507</b> | <b>.99556</b> | <b>-.22747</b> | <b>.03657</b> |
| Stddev | .12737        | 1.919         | .23434        | .97760        | .5730        | 1.2307        | .29189         | .16763        |
| %RSD   | 78.646        | 7.3588        | 41.252        | 204.05        | 104.0        | 123.62        | 128.32         | 458.44        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: mb 240-70811/1-a      Acquired: 1/3/2013 16:26:13      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |               |               |               |
|--------|----------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908         | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)       | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>-.34136</b> | <b>-.09356</b> | <b>.41265</b> | <b>19.738</b> | <b>.22156</b> |
| Stddev | .53093         | 1.0248         | .03807        | 1.026         | 6.5952        |
| %RSD   | 155.53         | 1095.4         | 9.2266        | 5.1970        | 2976.8        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6667.5</b> | <b>4707.7</b> | <b>58727.</b> | <b>10048.</b> |
| Stddev    | 11.8          | 7.0           | 161.          | 21.           |
| %RSD      | .17707        | .14936        | .27358        | .21180        |

Sample Name: lcs 240-70811/2-a      Acquired: 1/3/2013 16:30:12      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 51.934   | 2044.7   | 2081.3   | 1033.5   | 2063.5   | 51.043   | 52030.   | 52.41    |
| Stddev | .248     | 9.9      | 6.7      | .7       | 1.6      | .069     | 14.      | .03      |
| %RSD   | .47676   | .48293   | .32100   | .06485   | .07845   | .13463   | .02762   | .0555    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 512.87   | 206.23   | 261.18   | 1047.8   | 49973.   | 1026.9   | 51547.   | 529.92   |
| Stddev | .25      | .51      | .57      | .5       | 46.      | 2.5      | 118.     | 2.21     |
| %RSD   | .04931   | .24694   | .21780   | .04967   | .09204   | .24090   | .22883   | .41769   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1061.8   | 51237.   | 516.66   | 509.65   | 516.3    | 2032.1   | 1995.1   | 1067.9   |
| Stddev | .9       | 77.      | .88      | .78      | 1.1      | 4.7      | 2.9      | 4.1      |
| %RSD   | .08700   | .15064   | .16979   | .15383   | .2076    | .23066   | .14414   | .38686   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |



Sample Name: lcs 240-70811/2-a      Acquired: 1/3/2013 16:30:12      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2069.0   | 522.85   | 509.57   | 1098.1   | 1014.7   |
| Stddev | .5       | 1.04     | .41      | 14.3     | 6.6      |
| %RSD   | .02370   | .19903   | .07965   | 1.2997   | .64782   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6158.7 | 4491.4 | 55446. | 9799.9 |
| Stddev    | 7.6    | 6.9    | 115.   | 35.9   |
| %RSD      | .12372 | .15353 | .20729 | .36680 |

Sample Name: CCV      Acquired: 1/3/2013 16:33:52      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1007.4   | 24996.   | 516.21   | 5084.8   | 2002.4   | 2059.9   | 51058.   | 509.9    |
| Stddev | .6       | 67.      | 1.03     | 5.6      | 1.2      | 2.8      | 27.      | .3       |
| %RSD   | .05581   | .26717   | .19948   | .10973   | .05853   | .13742   | .05323   | .0667    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2002.3   | 1999.1   | 2013.2   | 25589.   | 49088.   | 5129.5   | 50794.   | 2025.1   |
| Stddev | 1.1      | 2.2      | .2       | 5.       | 108.     | 4.6      | 94.      | 7.9      |
| %RSD   | .05590   | .11022   | .00919   | .01792   | .22057   | .09028   | .18437   | .39046   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2058.5   | 50151.   | 1998.8   | 500.41   | 503.9    | 502.24   | 4964.0   | 5174.3   |
| Stddev | 3.3      | 84.      | 2.9      | .61      | 2.8      | 2.81     | 11.0     | 30.0     |
| %RSD   | .16003   | .16826   | .14285   | .12207   | .5597    | .56049   | .22203   | .58013   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 16:33:52      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1030.2   | 2019.6   | 2026.1   | 5338.4   | 5044.0   |
| Stddev | 3.2      | .8       | 1.0      | 71.0     | 3.1      |
| %RSD   | .30990   | .04177   | .04998   | 1.3306   | .06102   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6084.2 | 4502.0 | 55184. | 9663.7 |
| Stddev    | 7.0    | 4.8    | 78.    | 24.3   |
| %RSD      | .11570 | .10594 | .14159 | .25183 |

Sample Name: CCB      Acquired: 1/3/2013 16:37:42      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.22786</b> | <b>7.2658</b> | <b>.00248</b> | <b>5.5498</b> | <b>.11921</b> | <b>.09347</b> | <b>10.326</b> | <b>-.0087</b> |
| Stddev | .16687         | 4.4140        | .82851        | .6749         | .02543        | .05170        | 3.572         | .0503         |
| %RSD   | 73.232         | 60.751        | 33387.        | 12.161        | 21.334        | 55.310        | 34.596        | 575.4         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |                |               |                |               |               |               |
|--------|----------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273         | Fe2599        | K_7664         | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>-.04396</b> | <b>.08059</b> | <b>-.28924</b> | <b>2.2992</b> | <b>-2.4381</b> | <b>2.7172</b> | <b>9.8346</b> | <b>.05973</b> |
| Stddev | .17403         | .25910        | .59172         | .9259         | 24.628         | .6641         | 11.268        | .02687        |
| %RSD   | 395.88         | 321.51        | 204.57         | 40.270        | 1010.1         | 24.440        | 114.58        | 44.992        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.57375</b> | <b>14.609</b> | <b>.24524</b> | <b>-.25401</b> | <b>1.606</b> | <b>.91935</b> | <b>1.1977</b> | <b>1.3326</b> |
| Stddev | .15846        | 6.639         | .43455        | 1.4458         | 1.263        | .19925        | .1907         | .0421         |
| %RSD   | 27.618        | 45.446        | 177.19        | 569.19         | 78.63        | 21.673        | 15.924        | 3.1610        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 16:37:42      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |                |
|--------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464         |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-45900</b> | <b>.30780</b> | <b>.17526</b> | <b>3.3299</b> | <b>-.99292</b> |
| Stddev | .83565        | 1.7545        | .11567        | 2.9586        | 1.3999         |
| %RSD   | 182.06        | 570.02        | 66.002        | 88.848        | 140.99         |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6657.6</b> | <b>4673.1</b> | <b>57602.</b> | <b>9829.2</b> |
| Stddev    | 7.2           | 3.1           | 79.           | 35.9          |
| %RSD      | .10818        | .06686        | .13636        | .36489        |

Sample Name: 240-19255-a-13-c      Acquired: 1/3/2013 16:41:43      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .00550   | 4.1099   | .22697   | 3.2489   | .93720   | .01370   | 160.66   | .1619    |
| Stddev | .26253   | 9.1790   | .65076   | .1636    | .05537   | .03508   | .34      | .0199    |
| %RSD   | 4773.8   | 223.34   | 286.71   | 5.0340   | 5.9081   | 255.98   | .20899   | 12.31    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .00986   | .38090   | .92075   | 18.517   | 19.000   | .76217   | 10.977   | 1.1086   |
| Stddev | .05899   | .16065   | .30101   | .842     | 12.884   | .74751   | 19.082   | .0188    |
| %RSD   | 598.24   | 42.177   | 32.692   | 4.5481   | 67.810   | 98.077   | 173.84   | 1.6961   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .18089   | 228.34   | .83512   | -.04090  | .6971    | .37677   | .43936   | .29585   |
| Stddev | .08639   | 2.69     | .45971   | .48449   | .9584    | 1.2177   | .25189   | .04794   |
| %RSD   | 47.760   | 1.1783   | 55.047   | 1184.5   | 137.5    | 323.18   | 57.331   | 16.204   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-19255-a-13-c      Acquired: 1/3/2013 16:41:43      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|----------------|
| Elem   | Tl1908         | V_2908        | Zn2062        | Si2516        | Sr3464         |
| IS Ref | (In2306)       | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-.21133</b> | <b>.65537</b> | <b>.96104</b> | <b>41.726</b> | <b>-.07684</b> |
| Stddev | 1.4704         | 2.0220        | .05729        | 3.062         | 5.7478         |
| %RSD   | 695.79         | 308.53        | 5.9607        | 7.3376        | 7480.6         |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6679.8</b> | <b>4719.1</b> | <b>58594.</b> | <b>9977.3</b> |
| Stddev    | 1.9           | 4.3           | 69.           | 34.6          |
| %RSD      | .02901        | .09074        | .11821        | .34697        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 101.06%  | 100.34%  | 100.92%  | 100.98%  |
| Range   |          |          |          |          |

Sample Name: SD 240-19255-a-13-c@      Acquired: 1/3/2013 16:45:43      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |                |               |               |               |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.13485</b> | <b>10.204</b> | <b>-.76368</b> | <b>1.8665</b> | <b>.10958</b> | <b>.02218</b> | <b>61.346</b> | <b>-.0169</b> |
| Stddev | .30765         | 12.460        | .63890         | .1193         | .12184        | .01356        | 1.017         | .0623         |
| %RSD   | 228.15         | 122.12        | 83.661         | 6.3934        | 111.19        | 61.125        | 1.6570        | 369.4         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |               |               |               |                |                |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707         | Mg2790         | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)       | (Y_3600)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            | ppb           |
| Avg    | <b>-.03207</b> | <b>.15306</b> | <b>.36111</b> | <b>3.5028</b> | <b>10.811</b> | <b>-.48340</b> | <b>-9.8967</b> | <b>.25568</b> |
| Stddev | .07856         | .22241        | .29812        | 1.2159        | 14.956        | 1.7182         | 5.6731         | .03218        |
| %RSD   | 244.95         | 145.31        | 82.555        | 34.713        | 138.34        | 355.44         | 57.323         | 12.586        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.28993</b> | <b>46.906</b> | <b>.64987</b> | <b>-1.2451</b> | <b>1.311</b> | <b>.54558</b> | <b>.10930</b> | <b>.03038</b> |
| Stddev | .09266        | 17.512        | .28466        | 1.3299         | .925         | 1.6362        | .03466        | .14093        |
| %RSD   | 31.959        | 37.335        | 43.803        | 106.81         | 70.53        | 299.90        | 31.708        | 463.89        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: SD 240-19255-a-13-c@      Acquired: 1/3/2013 16:45:43      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908         | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)       | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.08668</b> | <b>1.0342</b> | <b>.72493</b> | <b>9.1018</b> | <b>.72354</b> |
| Stddev | .82976         | 2.6132        | .05379        | 5.3029        | 1.5529        |
| %RSD   | 957.29         | 252.68        | 7.4198        | 58.263        | 214.63        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6658.7</b> | <b>4705.6</b> | <b>58159.</b> | <b>9901.7</b> |
| Stddev    | 2.4           | 2.2           | 166.          | 46.5          |
| %RSD      | .03581        | .04708        | .28499        | .46944        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 100.74%  | 100.05%  | 100.17%  | 100.22%  |
| Range   |          |          |          |          |

Sample Name: 240-19255-a-13-d ms      Acquired: 1/3/2013 16:49:43      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |               |               |               |               |               |               |               |              |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>51.424</b> | <b>2022.9</b> | <b>2043.4</b> | <b>1016.8</b> | <b>2022.3</b> | <b>50.307</b> | <b>51287.</b> | <b>51.28</b> |
| Stddev | .437          | 16.7          | 3.7           | 1.3           | .4            | .098          | 27.           | .15          |
| %RSD   | .85016        | .82319        | .17940        | .12861        | .01880        | .19571        | .05257        | .2975        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>504.61</b> | <b>203.51</b> | <b>256.63</b> | <b>1052.7</b> | <b>49021.</b> | <b>1012.4</b> | <b>50974.</b> | <b>522.38</b> |
| Stddev | .89           | .38           | 1.21          | 2.8           | 43.           | .6            | 81.           | 1.89          |
| %RSD   | .17565        | .18740        | .47247        | .26651        | .08825        | .06319        | .15917        | .36155        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |               |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>1048.3</b> | <b>50627.</b> | <b>508.82</b> | <b>503.80</b> | <b>508.1</b> | <b>1988.7</b> | <b>1958.5</b> | <b>1053.6</b> |
| Stddev | 2.0           | 41.           | .43           | .75           | .5           | 4.7           | 1.3           | 2.5           |
| %RSD   | .19527        | .08015        | .08459        | .14841        | .1063        | .23577        | .06655        | .23944        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-19255-a-13-d ms      Acquired: 1/3/2013 16:49:43      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7 :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2039.3</b> | <b>515.01</b> | <b>502.45</b> | <b>1094.2</b> | <b>1002.0</b> |
| Stddev | 2.2           | 2.09          | .75           | 10.1          | 1.3           |
| %RSD   | .10624        | .40538        | .14982        | .92289        | .13389        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6160.9</b> | <b>4491.4</b> | <b>55561.</b> | <b>9804.7</b> |
| Stddev    | 9.2           | 6.4           | 115.          | 11.4          |
| %RSD      | .14877        | .14203        | .20694        | .11580        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 93.208%  | 95.500%  | 95.695%  | 99.234%  |
| Range   |          |          |          |          |

Sample Name: 240-19255-a-13-e msd      Acquired: 1/3/2013 16:53:21      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 50.933   | 2010.6   | 2050.1   | 1021.1   | 2022.8   | 50.264   | 51267.   | 51.27    |
| Stddev | .088     | 25.6     | 4.7      | 1.1      | 2.3      | .228     | 52.      | .29      |
| %RSD   | .17229   | 1.2741   | .22742   | .11251   | .11612   | .45356   | .10190   | .5570    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 505.40   | 204.24   | 256.68   | 1053.2   | 49064.   | 1009.9   | 50949.   | 523.81   |
| Stddev | .31      | .25      | .63      | 3.6      | 90.      | 1.3      | 99.      | .96      |
| %RSD   | .06145   | .12120   | .24735   | .34400   | .18295   | .12709   | .19459   | .18302   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1047.2   | 50511.   | 509.85   | 504.47   | 508.2    | 1994.2   | 1962.7   | 1054.7   |
| Stddev | 1.3      | 68.      | .73      | 1.21     | 1.3      | 9.4      | 3.1      | 2.2      |
| %RSD   | .12284   | .13398   | .14318   | .23904   | .2640    | .46921   | .15567   | .21189   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-19255-a-13-e msd      Acquired: 1/3/2013 16:53:21      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7 :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2043.9</b> | <b>512.84</b> | <b>504.78</b> | <b>1091.6</b> | <b>1004.8</b> |
| Stddev | 2.1           | 2.62          | .34           | 12.2          | 4.7           |
| %RSD   | .10225        | .51143        | .06684        | 1.1207        | .46855        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6173.2</b> | <b>4505.7</b> | <b>55380.</b> | <b>9770.7</b> |
| Stddev    | 9.8           | 4.0           | 129.          | 22.6          |
| %RSD      | .15884        | .08829        | .23382        | .23160        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 93.395%  | 95.804%  | 95.385%  | 98.890%  |
| Range   |          |          |          |          |

Not needed

Sample Name: PSD 240-19255-a-13-c      Acquired: 1/3/2013 16:56:59      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 101.93   | 5061.8   | 304.33   | 3030.6   | 51.408   | 25.625   | 10532.   | 353.9    |
| Stddev | .13      | 19.9     | 1.39     | 5.7      | .244     | .071     | 2.       | 1.0      |
| %RSD   | .12718   | .39406   | .45660   | .18948   | .47515   | .27583   | .01540   | .2926    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 152.04   | 207.25   | 471.63   | 4701.4   | 4777.5   | -.72436  | 3111.8   | 27.641   |
| Stddev | .31      | .62      | 1.23     | 10.6     | 16.1     | .60149   | 20.9     | .131     |
| %RSD   | .20415   | .30088   | .26142   | .22528   | .33709   | 83.038   | .67265   | .47213   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 105.87   | 50668.   | 256.54   | 152.39   | 151.6    | 398.14   | 296.28   | 533.37   |
| Stddev | .38      | 51.      | .24      | 1.26     | 1.3      | 2.14     | .51      | 1.96     |
| %RSD   | .35772   | .09990   | .09285   | .82682   | .8268    | .53753   | .17364   | .36671   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: PSD 240-19255-a-13-c      Acquired: 1/3/2013 16:56:59      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>464.01</b> | <b>52.734</b> | <b>510.85</b> | <b>53.375</b> | <b>1.7415</b> |
| Stddev | 1.38          | 2.724         | .83           | 5.758         | 3.4183        |
| %RSD   | .29743        | 5.1656        | .16255        | 10.788        | 196.29        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6432.2</b> | <b>4635.5</b> | <b>56872.</b> | <b>9967.5</b> |
| Stddev    | 10.6          | 9.8           | 44.           | 12.9          |
| %RSD      | .16490        | .21174        | .07691        | .12973        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 97.313%  | 98.564%  | 97.955%  | 100.88%  |
| Range   |          |          |          |          |

Sample Name: mb 240-70671/1-a      Acquired: 1/3/2013 17:00:39      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |                |               |                |                |               |               |
|--------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890         | B_1826        | Ba4554         | Be3130         | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)       | (Y_3710)       | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb            | ppb            | ppb           | ppb           |
| Avg    | <b>-.26826</b> | <b>8.9546</b> | <b>-.93039</b> | <b>4.6397</b> | <b>-.06710</b> | <b>-.02806</b> | <b>5.3045</b> | <b>-.0888</b> |
| Stddev | .24345         | 5.1580        | .54245         | .5167         | .11247         | .03158         | 1.5036        | .0631         |
| %RSD   | 90.753         | 57.602        | 58.303         | 11.137        | 167.63         | 112.54         | 28.346        | 71.14         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |                |                |                |               |
|--------|---------------|---------------|----------------|---------------|----------------|----------------|----------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664         | Li6707         | Mg2790         | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)       | (Y_3710)       | (Y_3710)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb            | ppb            | ppb            | ppb           |
| Avg    | <b>.10292</b> | <b>.23346</b> | <b>-.39407</b> | <b>.77176</b> | <b>-.72727</b> | <b>-.73375</b> | <b>-10.894</b> | <b>.37844</b> |
| Stddev | .18326        | .04632        | .60622         | .19540        | 18.645         | .75252         | 8.101          | .01791        |
| %RSD   | 178.06        | 19.841        | 153.83         | 25.318        | 2563.6         | 102.56         | 74.363         | 4.7332        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |               |                |              |               |               |               |
|--------|----------------|---------------|---------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020         | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)       | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb            | ppb           | ppb           | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>-.01820</b> | <b>12.214</b> | <b>.31930</b> | <b>-.49805</b> | <b>.0832</b> | <b>.36292</b> | <b>.16176</b> | <b>.15353</b> |
| Stddev | .20395         | 10.979        | .22686        | .58880         | .3632        | 3.1819        | .20974        | .04427        |
| %RSD   | 1120.3         | 89.886        | 71.049        | 118.22         | 436.6        | 876.75        | 129.66        | 28.837        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: mb 240-70671/1-a      Acquired: 1/3/2013 17:00:39      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1.0178   | 1.3681   | .25348   | 2.9677   | -.53972  |
| Stddev | .5793    | .4803    | .04944   | 3.9463   | 3.5208   |
| %RSD   | 56.918   | 35.105   | 19.504   | 132.98   | 652.34   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6716.7 | 4742.0 | 58521. | 10064. |
| Stddev    | 5.6    | 3.3    | 266.   | 14.    |
| %RSD      | .08384 | .06895 | .45432 | .14166 |

Sample Name: lcs 240-70671/2-a      Acquired: 1/3/2013 17:04:40      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 52.731   | 2052.1   | 2124.0   | 1074.8   | 2063.1   | 51.749   | 51340.   | 53.21    |
| Stddev | .567     | 29.7     | 2.4      | .4       | 6.2      | .035     | 70.      | .24      |
| %RSD   | 1.0750   | 1.4489   | .11399   | .03263   | .29956   | .06767   | .13706   | .4443    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 518.62   | 208.60   | 263.07   | 1060.7   | 49242.   | 1030.1   | 51405.   | 538.81   |
| Stddev | .17      | .53      | .42      | .8       | 151.     | 2.8      | 87.      | 2.20     |
| %RSD   | .03208   | .25482   | .16008   | .07293   | .30575   | .26848   | .16885   | .40845   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1060.5   | 50503.   | 523.16   | 517.28   | 522.6    | 2126.8   | 2023.6   | 1076.8   |
| Stddev | 1.7      | 87.      | .90      | 1.77     | 1.7      | 4.5      | 1.3      | 5.3      |
| %RSD   | .15802   | .17273   | .17112   | .34189   | .3318    | .21145   | .06666   | .48823   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: lcs 240-70671/2-a      Acquired: 1/3/2013 17:04:40      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7 :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2104.3</b> | <b>523.73</b> | <b>521.61</b> | <b>1074.3</b> | <b>1024.8</b> |
| Stddev | 2.8           | 2.51          | .81           | 4.4           | 7.6           |
| %RSD   | .13204        | .47983        | .15502        | .41191        | .74429        |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6192.8</b> | <b>4536.5</b> | <b>55587.</b> | <b>9855.3</b> |
| Stddev    | 3.6           | 4.6           | 174.          | 3.9           |
| %RSD      | .05761        | .10034        | .31281        | .03929        |

Sample Name: 240-19034-I-2-b      Acquired: 1/3/2013 17:08:18      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -.12111  | 12.897   | 1.2978   | 184.72   | 11.694   | -.31405  | 177820.  |
| Stddev | .08399   | 3.955    | 1.2431   | .44      | .075     | .06969   | 2395.    |
| %RSD   | 69.347   | 30.669   | 95.786   | .23819   | .64474   | 22.190   | 1.3469   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .4132    | .33323   | .91382   | -.91609  | 259.31   | 3541.1   | 26.401   |
| Stddev | .0523    | .11447   | .25149   | .30577   | 1.14     | 20.8     | .559     |
| %RSD   | 12.65    | 34.351   | 27.520   | 33.378   | .43809   | .58664   | 2.1179   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mg2790   | Mn2576   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   |
| IS Ref | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 83234.   | 18.508   | 1.9397   | 42450.   | 1.3920   | -1.4375  | .4264    |
| Stddev | 197.     | .100     | .0917    | 52.      | .1861    | 1.4464   | 1.217    |
| %RSD   | .23618   | .53979   | 4.7292   | .12329   | 13.372   | 100.62   | 285.5    |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19034-I-2-b      Acquired: 1/3/2013 17:08:18      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7 :  
 Comment:

|        |               |               |                |               |                |               |               |
|--------|---------------|---------------|----------------|---------------|----------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372         | Ti1908        | V_2908         | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)       | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-70714</b> | <b>.77841</b> | <b>-1.3516</b> | <b>1.6653</b> | <b>-1.2608</b> | <b>.83821</b> | <b>3936.9</b> |
| Stddev | .76344        | .16074        | .0452          | .5200         | .5302          | .06200        | 16.2          |
| %RSD   | 107.96        | 20.650        | 3.3442         | 31.222        | 42.049         | 7.3966        | .41092        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>18553.</b> |
| Stddev | 34.           |
| %RSD   | .18456        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6122.1</b> | <b>4446.4</b> | <b>54240.</b> | <b>9752.6</b> |
| Stddev    | 9.7           | 8.4           | 166.          | 57.7          |
| %RSD      | .15910        | .18993        | .30642        | .59151        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 92.621%  | 94.544%  | 93.421%  | 98.707%  |
| Range   |          |          |          |          |

Sample Name: SD 240-19034-I-2-b@5      Acquired: 1/3/2013 17:12:20      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -.37242  | -5.5411  | .15370   | 36.084   | 2.3892   | -.05642  | 35995.   | .0682    |
| Stddev | .24711   | 15.633   | .91909   | .132     | .1665    | .04518   | 24.      | .0830    |
| %RSD   | 66.352   | 282.13   | 597.97   | .36492   | 6.9696   | 80.076   | .06734   | 121.7    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .01588   | .25611   | -.78495  | 52.104   | 681.97   | 5.2668   | 16633.   | 3.7517   |
| Stddev | .10116   | .24735   | .91528   | .755     | 38.89    | .8719    | 25.      | .0372    |
| %RSD   | 636.94   | 96.580   | 116.60   | 1.4485   | 5.7021   | 16.555   | .14838   | .99284   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .35166   | 8259.5   | .98678   | -.58717  | 2.944    | .36828   | .23680   | -.16054  |
| Stddev | .06716   | 7.0      | .23818   | .86409   | 1.324    | 1.4069   | 1.0964   | .02207   |
| %RSD   | 19.098   | .08483   | 24.137   | 147.16   | 44.98    | 382.03   | 463.03   | 13.745   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: SD 240-19034-l-2-b@5      Acquired: 1/3/2013 17:12:20      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .11334   | -1.3878  | .79123   | 768.65   | 3713.6   |
| Stddev | .34463   | 1.6854   | .04760   | 1.96     | 5.3      |
| %RSD   | 304.08   | 121.44   | 6.0163   | .25470   | .14211   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6496.7 | 4619.8 | 56920. | 9832.9 |
| Stddev    | 3.7    | 3.2    | 98.    | 54.2   |
| %RSD      | .05728 | .06860 | .17290 | .55121 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 98.289%  | 98.230%  | 98.037%  | 99.520%  |
| Range   |          |          |          |          |

Sample Name: 240-19034-I-2-c ms      Acquired: 1/3/2013 17:16:15      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |               |               |               |               |               |               |                |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179         |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>53.775</b> | <b>2044.0</b> | <b>2147.3</b> | <b>1264.2</b> | <b>2071.8</b> | <b>50.138</b> | <b>221470.</b> |
| Stddev | .163          | 13.3          | 4.4           | 2.6           | 5.7           | .009          | 2504.          |
| %RSD   | .30266        | .65254        | .20434        | .20498        | .27504        | .01698        | 1.1305         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>53.67</b> | <b>512.42</b> | <b>203.90</b> | <b>263.78</b> | <b>1288.7</b> | <b>53200.</b> | <b>1068.3</b> |
| Stddev | .07          | .47           | .73           | .48           | 2.9           | 277.          | 1.4           |
| %RSD   | .1247        | .09157        | .35630        | .18086        | .22762        | .52006        | .13150        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |                |               |               |               |               |               |              |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Mg2790         | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)       | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>133010.</b> | <b>545.53</b> | <b>1046.4</b> | <b>91910.</b> | <b>514.56</b> | <b>498.41</b> | <b>530.6</b> |
| Stddev | 295.           | 1.72          | 1.2           | 103.          | .94           | 1.35          | 1.4          |
| %RSD   | .22207         | .31557        | .11917        | .11212        | .18261        | .27037        | .2652        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |



Sample Name: 240-19034-I-2-c ms      Acquired: 1/3/2013 17:16:15      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Se1960   | Sn1899   | Ti3372   | Ti1908   | V_2908   | Zn2062   | Si2516   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (In2306) | (Y_3710) | (In2306) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2130.0   | 2015.1   | 1067.9   | 2058.4   | 515.18   | 510.71   | 4920.8   |
| Stddev | 3.6      | 2.5      | 2.3      | 2.9      | 2.22     | .81      | 13.9     |
| %RSD   | .16683   | .12436   | .21118   | .14302   | .43187   | .15893   | .28212   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |
|--------|----------|
| Elem   | Sr3464   |
| IS Ref | (Y_3710) |
| Units  | ppb      |
| Avg    | 19132.   |
| Stddev | 26.      |
| %RSD   | .13663   |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5871.2 | 4367.5 | 53436. | 9727.6 |
| Stddev    | 5.3    | 3.0    | 64.    | 68.6   |
| %RSD      | .09014 | .06896 | .11905 | .70492 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 88.826%  | 92.866%  | 92.037%  | 98.455%  |
| Range   |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 17:20:04      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1012.1   | 24769.   | 514.86   | 5078.7   | 1992.9   | 2062.2   | 50659.   | 507.8    |
| Stddev | 2.9      | 66.      | 3.24     | 2.8      | .7       | 2.7      | 78.      | 1.0      |
| %RSD   | .28459   | .26729   | .62992   | .05528   | .03694   | .13161   | .15455   | .1935    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1995.8   | 1999.4   | 2018.8   | 25523.   | 48358.   | 5101.8   | 50816.   | 2043.5   |
| Stddev | 3.1      | 5.2      | 2.6      | 64.      | 105.     | 5.9      | 74.      | 10.5     |
| %RSD   | .15489   | .26016   | .12986   | .25249   | .21737   | .11550   | .14640   | .51178   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2048.7   | 49964.   | 1994.5   | 499.69   | 502.3    | 502.00   | 4961.4   | 5168.0   |
| Stddev | 5.1      | 22.      | 2.4      | .81      | .9       | 1.91     | 9.2      | 24.4     |
| %RSD   | .25033   | .04405   | .11939   | .16306   | .1807    | .38057   | .18518   | .47226   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 17:20:04      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1027.9   | 2000.6   | 2023.6   | 5286.8   | 5044.8   |
| Stddev | 4.0      | 6.4      | 4.2      | 76.9     | 11.0     |
| %RSD   | .38549   | .32223   | .20740   | 1.4552   | .21860   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6111.5 | 4529.4 | 55225. | 9790.7 |
| Stddev    | 10.9   | 8.2    | 212.   | 50.9   |
| %RSD      | .17858 | .18013 | .38351 | .52034 |

Sample Name: CCB      Acquired: 1/3/2013 17:23:50      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .11239   | .76129   | .50331   | 6.9631   | .07330   | .05840   | 11.250   | .0609    |
| Stddev | .23473   | 4.7284   | 1.0664   | .4816    | .06707   | .06523   | .868     | .0338    |
| %RSD   | 208.86   | 621.10   | 211.89   | 6.9161   | 91.499   | 111.69   | 7.7167   | 55.49    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -.08816  | .00595   | -.14315  | 2.2412   | -6.1588  | 1.1588   | -.78986  | .07802   |
| Stddev | .17705   | .37145   | .33069   | .1612    | 23.974   | .4097    | 11.106   | .01926   |
| %RSD   | 200.82   | 6247.0   | 231.01   | 7.1924   | 389.27   | 35.357   | 1406.0   | 24.679   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .70052   | 13.960   | .06913   | -.45495  | -.4660   | .13340   | .53535   | 1.2687   |
| Stddev | .12610   | 6.490    | .18252   | 1.1002   | .9861    | .96235   | .37270   | .1019    |
| %RSD   | 18.001   | 46.491   | 264.03   | 241.84   | 211.6    | 721.41   | 69.619   | 8.0352   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 17:23:50      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .31466   | -.54979  | .27311   | 4.6712   | 1.2899   |
| Stddev | .70370   | 1.1091   | .02542   | 3.0087   | 2.6056   |
| %RSD   | 223.64   | 201.74   | 9.3068   | 64.409   | 201.99   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6666.0 | 4681.0 | 57711. | 9823.1 |
| Stddev    | 9.7    | 2.1    | 116.   | 22.3   |
| %RSD      | .14506 | .04489 | .20070 | .22717 |

Sample Name: 240-19034-l-2-d msd      Acquired: 1/3/2013 17:27:52      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 52.456   | 2019.6   | 2122.7   | 1244.1   | 2037.4   | 49.537   | 217320.  |
| Stddev | .558     | 1.5      | 2.1      | 3.2      | 1.2      | .124     | 3139.    |
| %RSD   | 1.0628   | .07245   | .09668   | .25655   | .05899   | .24934   | 1.4442   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 53.23    | 506.21   | 200.87   | 259.12   | 1269.6   | 52714.   | 1051.3   |
| Stddev | .16      | .21      | .71      | .58      | 3.6      | 191.     | .6       |
| %RSD   | .3050    | .04247   | .35197   | .22508   | .28121   | .36311   | .05411   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mg2790   | Mn2576   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   |
| IS Ref | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 129830.  | 533.17   | 1033.7   | 89661.   | 509.09   | 494.92   | 522.6    |
| Stddev | 126.     | 1.93     | 1.3      | 50.      | 1.07     | .31      | 3.2      |
| %RSD   | .09695   | .36195   | .12671   | .05585   | .21037   | .06216   | .6113    |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19034-I-2-d msd      Acquired: 1/3/2013 17:27:52      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Se1960   | Sn1899   | Ti3372   | Ti1908   | V_2908   | Zn2062   | Si2516   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (In2306) | (Y_3710) | (In2306) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2100.8   | 1990.5   | 1042.6   | 2040.3   | 507.53   | 505.49   | 4810.2   |
| Stddev | 5.1      | 4.2      | 3.8      | 4.5      | 1.84     | .53      | 10.1     |
| %RSD   | .24225   | .20995   | .36756   | .21935   | .36253   | .10478   | .21037   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |
|--------|----------|
| Elem   | Sr3464   |
| IS Ref | (Y_3710) |
| Units  | ppb      |
| Avg    | 18621.   |
| Stddev | 32.      |
| %RSD   | .17078   |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5867.2 | 4364.6 | 53645. | 9670.9 |
| Stddev    | 6.3    | 3.6    | 151.   | 60.3   |
| %RSD      | .10750 | .08173 | .28194 | .62347 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 88.765%  | 92.805%  | 92.396%  | 97.880%  |
| Range   |          |          |          |          |

Sample Name: 240-18925-j-1-b      Acquired: 1/3/2013 17:31:38      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |                |               |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-.78732</b> | <b>47.398</b> | <b>10.726</b> | <b>315.76</b> | <b>160.73</b> | <b>-.10997</b> |
| Stddev | .18984         | 4.660         | 1.067         | 1.90          | .27           | .05180         |
| %RSD   | 24.113         | 9.8316        | 9.9460        | .60082        | .16770        | 47.106         |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ca3179        | Cd2288        | Co2286        | Cr2677        | Cu3273        | Fe2599        |
| IS Ref | (Y_3710)      | (Y_2243)      | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>66567.</b> | <b>-.1255</b> | <b>.73991</b> | <b>1.0586</b> | <b>.08173</b> | <b>2843.9</b> |
| Stddev | 32.           | .1346         | .24478        | .1223         | .87887        | 10.0          |
| %RSD   | .04868        | 107.2         | 33.083        | 11.550        | 1075.3        | .35138        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |                  |
|--------|---------------|---------------|---------------|---------------|---------------|------------------|
| Elem   | K_7664        | Li6707        | Mg2790        | Mn2576        | Mo2020        | Na5895           |
| IS Ref | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)         |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb              |
| Avg    | <b>17868.</b> | <b>3.0100</b> | <b>6184.4</b> | <b>729.05</b> | <b>76.861</b> | <b>F 707750.</b> |
| Stddev | 28.           | .8041         | 37.2          | 1.25          | .206          | 2763.            |
| %RSD   | .15888        | 26.712        | .60177        | .17194        | .26815        | .39038           |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          | 500000.  |
| Low Limit  |          |          |          |          |          | -500000. |



Sample Name: 240-18925-j-1-b      Acquired: 1/3/2013 17:31:38      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |              |               |               |               |
|--------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>4.3187</b> | <b>.04316</b> | <b>.4201</b> | <b>1.6244</b> | <b>.42270</b> | <b>3.0207</b> |
| Stddev | .1750         | .43793        | 1.193        | .7644         | .28252        | .1407         |
| %RSD   | 4.0523        | 1014.8        | 284.1        | 47.059        | 66.837        | 4.6571        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ti1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.7804</b> | <b>2.3494</b> | <b>4.5141</b> | <b>4617.2</b> | <b>1057.5</b> |
| Stddev | .8533         | 1.4058        | .0290         | 5.3           | 7.8           |
| %RSD   | 47.927        | 59.837        | .64314        | .11489        | .73411        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5746.8</b> | <b>4353.9</b> | <b>51679.</b> | <b>9712.6</b> |
| Stddev    | 5.5           | 7.2           | 95.           | 18.9          |
| %RSD      | .09617        | .16621        | .18376        | .19504        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 86.944%  | 92.577%  | 89.009%  | 98.302%  |
| Range   |          |          |          |          |

Sample Name: 240-18925-i-1-b      Acquired: 1/3/2013 17:35:38      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
Comment:

|        |                |               |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-.63425</b> | <b>4.8744</b> | <b>9.1160</b> | <b>313.40</b> | <b>160.09</b> | <b>-.09788</b> |
| Stddev | .56259         | 18.798        | 1.4719        | .49           | .35           | .06391         |
| %RSD   | 88.702         | 385.64        | 16.146        | .15526        | .21762        | 65.296         |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ca3179        | Cd2288        | Co2286        | Cr2677        | Cu3273        | Fe2599        |
| IS Ref | (Y_3710)      | (Y_2243)      | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>65647.</b> | <b>-.0597</b> | <b>.77595</b> | <b>.86327</b> | <b>.40611</b> | <b>2754.0</b> |
| Stddev | 84.           | .1371         | .12408        | .15552        | .38152        | 7.3           |
| %RSD   | .12801        | 229.8         | 15.990        | 18.015        | 93.945        | .26397        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |                  |
|--------|---------------|---------------|---------------|---------------|---------------|------------------|
| Elem   | K_7664        | Li6707        | Mg2790        | Mn2576        | Mo2020        | Na5895           |
| IS Ref | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)         |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb              |
| Avg    | <b>17642.</b> | <b>5.3499</b> | <b>6102.1</b> | <b>728.63</b> | <b>76.067</b> | <b>F 682620.</b> |
| Stddev | 23.           | 1.7902        | 26.8          | 3.47          | .047          | 4076.            |
| %RSD   | .13212        | 33.462        | .43862        | .47636        | .06119        | .59706           |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          | 500000.  |
| Low Limit  |          |          |          |          |          | -500000. |

Sample Name: 240-18925-i-1-b      Acquired: 1/3/2013 17:35:38      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |                |              |                |               |               |
|--------|---------------|----------------|--------------|----------------|---------------|---------------|
| Elem   | Ni2316        | Pb2203         | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb            | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>3.9128</b> | <b>-.20998</b> | <b>1.229</b> | <b>-.93149</b> | <b>.52444</b> | <b>1.0313</b> |
| Stddev | .4045         | .76176         | 1.221        | .46905         | .44322        | .1856         |
| %RSD   | 10.337        | 362.78         | 99.34        | 50.355         | 84.513        | 17.999        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ti1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2.9940</b> | <b>2.5983</b> | <b>2.1045</b> | <b>4472.7</b> | <b>1041.8</b> |
| Stddev | .7166         | 1.8115        | .0889         | 8.0           | 3.7           |
| %RSD   | 23.934        | 69.720        | 4.2257        | .17978        | .35097        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5739.1</b> | <b>4354.7</b> | <b>51509.</b> | <b>9775.3</b> |
| Stddev    | 7.5           | 7.4           | 65.           | 20.2          |
| %RSD      | .13037        | .16938        | .12524        | .20666        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 86.828%  | 92.594%  | 88.717%  | 98.937%  |
| Range   |          |          |          |          |

Sample Name: 240-18925-c-2-b      Acquired: 1/3/2013 17:39:39      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |                |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-30333</b> | <b>45.945</b> | <b>3.2968</b> | <b>447.79</b> | <b>763.66</b> | <b>-1.9710</b> |
| Stddev | .13639        | 7.591         | .6714         | .29           | 1.25          | .0413          |
| %RSD   | 44.964        | 16.521        | 20.364        | .06442        | .16366        | 2.0931         |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

*Dilute*

|        |                  |              |               |               |               |               |
|--------|------------------|--------------|---------------|---------------|---------------|---------------|
| Elem   | Ca3179           | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        |
| IS Ref | (Y_3710)         | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      |
| Units  | ppb              | ppb          | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>F 978080.</b> | <b>1.498</b> | <b>2.2433</b> | <b>2.5689</b> | <b>-85391</b> | <b>1130.6</b> |
| Stddev | 8834.            | .119         | .4259         | .1005         | .89270        | .7            |
| %RSD   | .90321           | 7.949        | 18.987        | 3.9119        | 104.54        | .06582        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | 500000.  |          |          |          |          |          |
| Low Limit  | -500000. |          |          |          |          |          |

*Dilute*

|        |               |                |                |               |               |                   |
|--------|---------------|----------------|----------------|---------------|---------------|-------------------|
| Elem   | K_7664        | Li6707         | Mg2790         | Mn2576        | Mo2020        | Na5895            |
| IS Ref | (Y_3710)      | (Y_3710)       | (Y_3710)       | (Y_3600)      | (Y_2243)      | (Y_3710)          |
| Units  | ppb           | ppb            | ppb            | ppb           | ppb           | ppb               |
| Avg    | <b>9675.4</b> | <b>-.73304</b> | <b>212110.</b> | <b>8390.7</b> | <b>8.5234</b> | <b>F 1541100.</b> |
| Stddev | 107.8         | .97813         | 447.           | 34.2          | .4094         | 24502.            |
| %RSD   | 1.1141        | 133.43         | .21098         | .40767        | 4.8038        | 1.5899            |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          | 500000.  |
| Low Limit  |          |          |          |          |          | -500000. |

Sample Name: 240-18925-c-2-b      Acquired: 1/3/2013 17:39:39      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 14.543   | -5.1082  | -1.094   | 1.0324   | .81795   | -1.9331  |
| Stddev | .599     | 1.1303   | .315     | 2.1984   | .17992   | .2856    |
| %RSD   | 4.1213   | 22.128   | 28.82    | 212.95   | 21.996   | 14.774   |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 7.8306   | -1.9753  | 2.7917   | 13178.   | 7638.3   |
| Stddev | .5425    | .5762    | .0357    | 10.      | 5.2      |
| %RSD   | 6.9275   | 29.172   | 1.2778   | .07619   | .06764   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4795.4 | 3789.9 | 45238. | 9133.6 |
| Stddev    | 3.0    | 2.2    | 87.    | 19.7   |
| %RSD      | .06326 | .05921 | .19187 | .21519 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 72.550%  | 80.584%  | 77.916%  | 92.442%  |
| Range   |          |          |          |          |

Sample Name: 240-18925-d-2-b      Acquired: 1/3/2013 17:43:55      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |               |               |               |               |                |
|--------|----------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280   | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         |
| IS Ref | (Y_3600) | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb      | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | -1.0149  | <b>2.5448</b> | <b>3.8009</b> | <b>456.06</b> | <b>800.84</b> | <b>-2.2263</b> |
| Stddev | .2242    | 5.3515        | 2.0322        | 1.42          | .87           | .0287          |
| %RSD   | 22.087   | 210.29        | 53.467        | .31071        | .10842        | 1.2891         |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |            |              |               |               |                |               |
|--------|------------|--------------|---------------|---------------|----------------|---------------|
| Elem   | Ca3179     | Cd2288       | Co2286        | Cr2677        | Cu3273         | Fe2599        |
| IS Ref | (Y_3710)   | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      |
| Units  | ppb        | ppb          | ppb           | ppb           | ppb            | ppb           |
| Avg    | F 1023100. | <b>1.442</b> | <b>2.8754</b> | <b>2.6975</b> | <b>-1.4378</b> | <b>798.18</b> |
| Stddev | 9710.      | .114         | .4512         | .1063         | .5544          | 1.50          |
| %RSD   | .94907     | 7.921        | 15.690        | 3.9405        | 38.558         | .18849        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | 500000.  |          |          |          |          |          |
| Low Limit  | -500000. |          |          |          |          |          |

|        |               |                |                |               |               |                   |
|--------|---------------|----------------|----------------|---------------|---------------|-------------------|
| Elem   | K_7664        | Li6707         | Mg2790         | Mn2576        | Mo2020        | Na5895            |
| IS Ref | (Y_3710)      | (Y_3710)       | (Y_3710)       | (Y_3600)      | (Y_2243)      | (Y_3710)          |
| Units  | ppb           | ppb            | ppb            | ppb           | ppb           | ppb               |
| Avg    | <b>10120.</b> | <b>-7.6694</b> | <b>224030.</b> | <b>9131.3</b> | <b>8.8321</b> | F <b>1479100.</b> |
| Stddev | 116.          | 2.4004         | 183.           | 17.7          | .2281         | 11769.            |
| %RSD   | 1.1443        | 31.298         | .08189         | .19398        | 2.5832        | .79569            |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          | 500000.  |
| Low Limit  |          |          |          |          |          | -500000. |

Sample Name: 240-18925-d-2-b      Acquired: 1/3/2013 17:43:55      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 16.177   | -4.7040  | -5.407   | 2.4584   | .90590   | -2.6114  |
| Stddev | .110     | 1.5091   | 2.390    | 3.0436   | .66605   | .2114    |
| %RSD   | .68114   | 32.082   | 44.20    | 123.80   | 73.524   | 8.0962   |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Ti1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 8.0173   | -1.8740  | 4.4013   | 12830.   | 8041.0   |
| Stddev | .6191    | .6303    | .1385    | 44.      | 8.0      |
| %RSD   | 7.7222   | 33.632   | 3.1462   | .34632   | .09919   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4759.1 | 3764.7 | 45368. | 9102.7 |
| Stddev    | 8.8    | 10.6   | 60.    | 18.8   |
| %RSD      | .18462 | .28134 | .13291 | .20611 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 72.001%  | 80.048%  | 78.140%  | 92.130%  |
| Range   |          |          |          |          |

Sample Name: 240-18953-h-2-a      Acquired: 1/3/2013 17:48:11      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |               |               |               |                |               |              |
|--------|----------------|----------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082         | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.13389</b> | <b>-3.6516</b> | <b>1.2908</b> | <b>10.132</b> | <b>46.805</b> | <b>-.09567</b> | <b>39375.</b> | <b>.0758</b> |
| Stddev | .20531         | 8.3927         | 1.5359        | .232          | .022          | .04274         | 33.           | .1014        |
| %RSD   | 153.33         | 229.84         | 118.99        | 2.2896        | .04800        | 44.677         | .08329        | 133.9        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.21894</b> | <b>1.4617</b> | <b>1.4455</b> | <b>5.3085</b> | <b>1109.8</b> | <b>-1.0781</b> | <b>22379.</b> | <b>1.4324</b> |
| Stddev | .16479        | .2081         | .2945         | 1.0354        | 17.6          | 1.2885         | 72.           | .0261         |
| %RSD   | 75.266        | 14.235        | 20.374        | 19.504        | 1.5881        | 119.52         | .32030        | 1.8243        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |                |                |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|----------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899         | Ti3372         |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)       | (Y_3600)       |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb            | ppb            |
| Avg    | <b>.36246</b> | <b>3057.9</b> | <b>.86252</b> | <b>.40544</b> | <b>.8026</b> | <b>.56873</b> | <b>-.14608</b> | <b>-.09023</b> |
| Stddev | .14521        | 17.0          | .28840        | .46934        | 1.151        | .62701        | .28295         | .18053         |
| %RSD   | 40.063        | .55537        | 33.436        | 115.76        | 143.4        | 110.25        | 193.69         | 200.08         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: 240-18953-h-2-a      Acquired: 1/3/2013 17:48:11      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.8214</b> | <b>.79408</b> | <b>3.0283</b> | <b>4602.0</b> | <b>43.575</b> |
| Stddev | .4269         | 1.5582        | .0389         | 9.3           | 1.492         |
| %RSD   | 23.436        | 196.23        | 1.2860        | .20316        | 3.4246        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6480.2</b> | <b>4627.3</b> | <b>56806.</b> | <b>9881.3</b> |
| Stddev    | 1.8           | 3.1           | 174.          | 19.4          |
| %RSD      | .02848        | .06713        | .30717        | .19680        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 98.039%  | 98.389%  | 97.841%  | 100.01%  |
| Range   |          |          |          |          |

Sample Name: 240-18953-g-3-a      Acquired: 1/3/2013 17:52:08      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .06443   | -7.8518  | 1.3119   | 31.814   | 77.863   | -.08768  | 58342.   | .3489    |
| Stddev | .14237   | 19.366   | .5146    | .297     | .189     | .02053   | 33.      | .1511    |
| %RSD   | 220.98   | 246.65   | 39.225   | .93431   | .24318   | 23.420   | .05684   | 43.31    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .17302   | 1.4493   | 1.5119   | 17.798   | 2596.4   | -3.3408  | 33163.   | .93959   |
| Stddev | .28981   | .2301    | .2887    | 2.535    | 36.6     | .5809    | 24.      | .05563   |
| %RSD   | 167.50   | 15.880   | 19.095   | 14.243   | 1.4115   | 17.387   | .07320   | 5.9205   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .34411   | 8637.0   | 1.8773   | .73222   | 1.518    | -.82833  | .23613   | -.01153  |
| Stddev | .19748   | 12.4     | .2428    | .87969   | .755     | .48808   | .40317   | .08498   |
| %RSD   | 57.389   | .14343   | 12.933   | 120.14   | 49.73    | 58.923   | 170.74   | 736.90   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-18953-g-3-a      Acquired: 1/3/2013 17:52:08      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.81716</b> | <b>-1.4093</b> | <b>6.1235</b> | <b>4865.0</b> | <b>72.626</b> |
| Stddev | .17782        | 1.5179         | .0459         | 134.6         | 2.513         |
| %RSD   | 21.761        | 107.70         | .74895        | 2.7660        | 3.4599        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6350.0</b> | <b>4565.9</b> | <b>56183.</b> | <b>9837.6</b> |
| Stddev    | 7.4           | 6.7           | 96.           | 41.8          |
| %RSD      | .11645        | .14622        | .17026        | .42488        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 96.070%  | 97.085%  | 96.767%  | 99.568%  |
| Range   |          |          |          |          |

Sample Name: 240-18953-g-5-a      Acquired: 1/3/2013 17:56:05      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |                |               |               |               |               |               |              |
|--------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280        | Al3082         | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)      | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>-24109</b> | <b>-6.6939</b> | <b>1.1306</b> | <b>33.715</b> | <b>177.89</b> | <b>-13970</b> | <b>75926.</b> | <b>.5029</b> |
| Stddev | .10633        | 11.161         | 1.6435        | .225          | .22           | .04585        | 74.           | .0703        |
| %RSD   | 44.103        | 166.73         | 145.37        | .66746        | .12598        | 32.821        | .09763        | 13.98        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.29376</b> | <b>1.1661</b> | <b>2.9558</b> | <b>6.5660</b> | <b>2328.2</b> | <b>-5.0770</b> | <b>40991.</b> | <b>9.6185</b> |
| Stddev | .02691        | .1296         | .3839         | 1.1355        | 26.0          | .3670          | 114.          | .0407         |
| %RSD   | 9.1621        | 11.114        | 12.988        | 17.294        | 1.1166        | 7.2292         | .27740        | .42274        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.92664</b> | <b>6933.1</b> | <b>8.4997</b> | <b>-6.1904</b> | <b>1.582</b> | <b>-88672</b> | <b>.26714</b> | <b>.07144</b> |
| Stddev | .10307        | 27.6          | .3530         | .72836         | 1.120        | .67147        | .24858        | .15109        |
| %RSD   | 11.123        | .39773        | 4.1536        | 117.66         | 70.78        | 75.725        | 93.052        | 211.50        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-18953-g-5-a      Acquired: 1/3/2013 17:56:05      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>1.6116</b> | <b>-1.3564</b> | <b>124.24</b> | <b>6285.8</b> | <b>116.41</b> |
| Stddev | .3746         | 1.2676         | .31           | 3.2           | 2.94          |
| %RSD   | 23.246        | 93.455         | .24968        | .05141        | 2.5226        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6331.6</b> | <b>4557.1</b> | <b>55795.</b> | <b>9808.0</b> |
| Stddev    | 5.1           | 1.8           | 56.           | 22.9          |
| %RSD      | .08054        | .03973        | .10109        | .23317        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 95.791%  | 96.897%  | 96.100%  | 99.268%  |
| Range   |          |          |          |          |

Sample Name: 240-18953-g-6-a      Acquired: 1/3/2013 17:59:58      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
Comment:

|        |                |                |               |               |               |                |               |              |
|--------|----------------|----------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082         | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.61154</b> | <b>-6.6399</b> | <b>2.0225</b> | <b>9.8197</b> | <b>182.84</b> | <b>-.12424</b> | <b>45545.</b> | <b>.1807</b> |
| Stddev | .27244         | 10.497         | 1.2345        | .0646         | .13           | .00945         | 71.           | .0296        |
| %RSD   | 44.550         | 158.10         | 61.036        | .65807        | .07026        | 7.6093         | .15601        | 16.38        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.19609</b> | <b>1.0707</b> | <b>1.0086</b> | <b>16.525</b> | <b>1130.1</b> | <b>-2.4861</b> | <b>25651.</b> | <b>.31445</b> |
| Stddev | .28827        | .1071         | .1312         | .273          | 24.6          | 2.3032         | 75.           | .01709        |
| %RSD   | 147.01        | 9.9983        | 13.006        | 1.6528        | 2.1750        | 92.646         | .29281        | 5.4358        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |                |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899         | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb            | ppb           |
| Avg    | <b>.09547</b> | <b>3825.2</b> | <b>.76478</b> | <b>.02922</b> | <b>1.027</b> | <b>.71751</b> | <b>-.23203</b> | <b>.09262</b> |
| Stddev | .08945        | 8.6           | .02725        | 1.4035        | 1.587        | 1.6699        | .37958         | .06364        |
| %RSD   | 93.689        | .22545        | 3.5635        | 4803.4        | 154.5        | 232.74        | 163.60         | 68.715        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-18953-g-6-a      Acquired: 1/3/2013 17:59:58      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>1.4605</b> | <b>-.42120</b> | <b>8.4856</b> | <b>4867.1</b> | <b>51.232</b> |
| Stddev | .4749         | 1.3851         | .0362         | 10.4          | 3.539         |
| %RSD   | 32.520        | 328.85         | .42613        | .21343        | 6.9074        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6429.9</b> | <b>4600.7</b> | <b>56700.</b> | <b>9842.3</b> |
| Stddev    | 8.0           | 2.5           | 228.          | 50.9          |
| %RSD      | .12486        | .05401        | .40262        | .51688        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 97.279%  | 97.824%  | 97.658%  | 99.615%  |
| Range   |          |          |          |          |

Sample Name: 240-18953-g-7-a      Acquired: 1/3/2013 18:03:54      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |              |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.27637</b> | <b>2.6101</b> | <b>.94452</b> | <b>9.6170</b> | <b>187.05</b> | <b>-.10437</b> | <b>45061.</b> | <b>.1434</b> |
| Stddev | .03978         | 3.2915        | .39879        | .1217         | .48           | .02379         | 76.           | .0384        |
| %RSD   | 14.395         | 126.11        | 42.222        | 1.2657        | .25892        | 22.790         | .16869        | 26.77        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.02052</b> | <b>.73771</b> | <b>.81372</b> | <b>2.3875</b> | <b>1111.7</b> | <b>-2.6800</b> | <b>25506.</b> | <b>.43004</b> |
| Stddev | .12577        | .05643        | .41721        | 1.0975        | 13.4          | 1.7161         | 26.           | .02379        |
| %RSD   | 612.96        | 7.6497        | 51.272        | 45.970        | 1.2054        | 64.035         | .10362        | 5.5325        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |                |                |               |
|--------|---------------|---------------|---------------|---------------|--------------|----------------|----------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960         | Sn1899         | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)       | (In2306)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb            | ppb            | ppb           |
| Avg    | <b>.11704</b> | <b>3846.5</b> | <b>.59790</b> | <b>.49945</b> | <b>.9680</b> | <b>-.25999</b> | <b>-.16188</b> | <b>.12332</b> |
| Stddev | .07563        | 9.9           | .36245        | .30796        | .2365        | .98835         | .16792         | .05790        |
| %RSD   | 64.619        | .25742        | 60.621        | 61.660        | 24.44        | 380.15         | 103.73         | 46.952        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: 240-18953-g-7-a      Acquired: 1/3/2013 18:03:54      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.82525</b> | <b>.10422</b> | <b>7.9791</b> | <b>4809.4</b> | <b>47.691</b> |
| Stddev | .41180        | .86867        | .0532         | 19.4          | 1.780         |
| %RSD   | 49.901        | 833.46        | .66726        | .40283        | 3.7329        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6464.6</b> | <b>4639.4</b> | <b>56639.</b> | <b>9945.9</b> |
| Stddev    | 5.6           | 1.8           | 156.          | 9.0           |
| %RSD      | .08657        | .03909        | .27578        | .09030        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 97.802%  | 98.648%  | 97.554%  | 100.66%  |
| Range   |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 18:07:50      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1011.2   | 25009.   | 517.66   | 5086.6   | 2004.6   | 2065.0   | 51103.   | 510.3    |
| Stddev | .8       | 21.      | 1.08     | 9.4      | 1.6      | 3.5      | 12.      | .5       |
| %RSD   | .07611   | .08563   | .20770   | .18473   | .08175   | .17133   | .02410   | .1035    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2007.8   | 2012.6   | 2018.2   | 25643.   | 49066.   | 5120.3   | 51012.   | 2044.6   |
| Stddev | 1.5      | 2.3      | 2.6      | 46.      | 67.      | 4.0      | 84.      | 5.9      |
| %RSD   | .07542   | .11623   | .13050   | .17991   | .13741   | .07801   | .16481   | .28995   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2064.7   | 49763.   | 2005.4   | 503.73   | 503.0    | 504.37   | 4978.1   | 5249.5   |
| Stddev | 4.4      | 38.      | 2.0      | 2.37     | 1.1      | 1.93     | 8.3      | 14.9     |
| %RSD   | .21087   | .07565   | .09867   | .47021   | .2205    | .38236   | .16653   | .28312   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 18:07:50      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1031.1</b> | <b>2023.0</b> | <b>2037.4</b> | <b>5345.4</b> | <b>5072.8</b> |
| Stddev | 1.4           | 3.1           | 1.9           | 66.2          | 3.4           |
| %RSD   | .13274        | .15533        | .09220        | 1.2391        | .06778        |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6076.9</b> | <b>4497.8</b> | <b>54709.</b> | <b>9631.4</b> |
| Stddev    | 12.7          | 9.2           | 74.           | 36.9          |
| %RSD      | .20868        | .20413        | .13490        | .38340        |

Sample Name: CCB      Acquired: 1/3/2013 18:11:39      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |                |               |               |               |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.39164</b> | <b>7.0618</b> | <b>-.01742</b> | <b>5.1065</b> | <b>.09270</b> | <b>.03836</b> | <b>14.083</b> | <b>-.1031</b> |
| Stddev | .07101         | 8.4140        | .34611         | .3501         | .15304        | .04561        | 1.498         | .0724         |
| %RSD   | 18.131         | 119.15        | 1987.1         | 6.8553        | 165.10        | 118.88        | 10.634        | 70.15         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |                |                |               |               |               |               |               |
|--------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677         | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)       | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb            | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.10405</b> | <b>-.07222</b> | <b>-.11816</b> | <b>2.7507</b> | <b>2.2762</b> | <b>1.0731</b> | <b>5.2148</b> | <b>.11917</b> |
| Stddev | .16064         | .38937         | .67832         | .3841         | 43.937        | .4685         | 11.819        | .03130        |
| %RSD   | 154.39         | 539.11         | 574.08         | 13.964        | 1930.3        | 43.656        | 226.65        | 26.260        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |                |              |                |               |               |
|--------|---------------|---------------|----------------|----------------|--------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316         | Pb2203         | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)       | (Y_2243)       | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb            | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>.59655</b> | <b>97.888</b> | <b>-.04329</b> | <b>-.52749</b> | <b>2.408</b> | <b>-.17028</b> | <b>1.0311</b> | <b>1.4286</b> |
| Stddev | .04464        | 2.711         | .13808         | .82140         | 1.148        | .25963         | .4438         | .0575         |
| %RSD   | 7.4830        | 2.7694        | 318.99         | 155.72         | 47.66        | 152.48         | 43.037        | 4.0266        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 18:11:39      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |                |
|--------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464         |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>.61180</b> | <b>1.1234</b> | <b>.13141</b> | <b>6.4061</b> | <b>-.16539</b> |
| Stddev | .77311        | 1.0057        | .03840        | 4.2881        | .86844         |
| %RSD   | 126.37        | 89.519        | 29.217        | 66.938        | 525.09         |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6636.1</b> | <b>4660.0</b> | <b>57173.</b> | <b>9770.2</b> |
| Stddev    | 14.6          | 5.6           | 16.           | 58.0          |
| %RSD      | .22071        | .12115        | .02808        | .59409        |

Sample Name: 240-18953-g-8-a      Acquired: 1/3/2013 18:15:40      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .02137   | -.55935  | -.04570  | 3.4460   | 7.0235   | -.00574  | 1125.8   | -.0054   |
| Stddev | .22634   | 4.5626   | .98228   | .2354    | .1631    | .01753   | 3.2      | .1803    |
| %RSD   | 1059.3   | 815.70   | 2149.6   | 6.8308   | 2.3227   | 305.39   | .28633   | 3345.    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .25984   | .29595   | -.34888  | 5.9300   | 37.831   | .59835   | 533.98   | .49232   |
| Stddev | .04538   | .31168   | .51319   | .4376    | 11.677   | .20974   | 14.64    | .02872   |
| %RSD   | 17.465   | 105.31   | 147.10   | 7.3792   | 30.867   | 35.052   | 2.7411   | 5.8340   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .30412   | 224.32   | .63737   | -.52903  | .7448    | .31598   | .52426   | .18737   |
| Stddev | .14523   | 12.40    | .42075   | 1.1409   | 1.022    | 1.1701   | .35551   | .16913   |
| %RSD   | 47.754   | 5.5279   | 66.014   | 215.66   | 137.2    | 370.30   | 67.811   | 90.266   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-18953-g-8-a      Acquired: 1/3/2013 18:15:40      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

*New  
Conv*

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.81816</b> | <b>.26034</b> | <b>3.6618</b> | <b>153.01</b> | <b>4.9749</b> |
| Stddev | .43717        | .52652        | .0618         | 1.06          | 1.3947        |
| %RSD   | 53.433        | 202.24        | 1.6867        | .69101        | 28.036        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6689.9</b> | <b>4725.2</b> | <b>57919.</b> | <b>9924.6</b> |
| Stddev    | 10.3          | 6.1           | 73.           | 27.8          |
| %RSD      | .15374        | .12867        | .12666        | .27986        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 101.21%  | 100.47%  | 99.758%  | 100.45%  |
| Range   |          |          |          |          |

Sample Name: mb 240-70677/1-a      Acquired: 1/3/2013 18:19:38      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |                |               |               |                |               |               |
|--------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Ag3280        | Al3082        | As1890         | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-51621</b> | <b>4.5877</b> | <b>-.60712</b> | <b>2.0969</b> | <b>.83551</b> | <b>-.06849</b> | <b>381.40</b> | <b>-.0775</b> |
| Stddev | .17423        | 2.5156        | 1.4134         | .3369         | .09930        | .02046         | .91           | .1393         |
| %RSD   | 33.751        | 54.833        | 232.81         | 16.068        | 11.885        | 29.869         | .23923        | 179.8         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |                |               |               |                |               |               |               |
|--------|----------------|----------------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677         | Cu3273        | Fe2599        | K_7664         | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)       | (Y_3600)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>-.01895</b> | <b>-.12383</b> | <b>.63905</b> | <b>9.8362</b> | <b>-1.1264</b> | <b>.23984</b> | <b>60.651</b> | <b>.86657</b> |
| Stddev | .18047         | .02656         | .55942        | .7033         | 15.168         | .18178        | 8.813         | .03971        |
| %RSD   | 952.22         | 21.451         | 87.540        | 7.1499        | 1346.6         | 75.794        | 14.531        | 4.5820        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |                |                |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|----------------|----------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899         | Ti3372         |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)       | (Y_3600)       |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb            | ppb            |
| Avg    | <b>.08057</b> | <b>107.05</b> | <b>.34379</b> | <b>-.53764</b> | <b>1.828</b> | <b>1.1534</b> | <b>-.09703</b> | <b>-.00978</b> |
| Stddev | .13647        | 6.14          | .15102        | .18884         | 1.817        | .8111         | .14706         | .19631         |
| %RSD   | 169.39        | 5.7363        | 43.929        | 35.124         | 99.37        | 70.321        | 151.57         | 2006.8         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: mb 240-70677/1-a      Acquired: 1/3/2013 18:19:38      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>1.5564</b> | <b>-.15895</b> | <b>3.7855</b> | <b>1.4640</b> | <b>3.0531</b> |
| Stddev | .4095         | 2.0809         | .0396         | 3.0765        | 4.2042        |
| %RSD   | 26.312        | 1309.2         | 1.0453        | 210.15        | 137.70        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6705.0</b> | <b>4726.8</b> | <b>58133.</b> | <b>9961.5</b> |
| Stddev    | 9.9           | 6.6           | 62.           | 17.0          |
| %RSD      | .14838        | .13968        | .10749        | .17029        |

Sample Name: lcs 240-70677/2-a      Acquired: 1/3/2013 18:23:36      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |              |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>49.191</b> | <b>1879.5</b> | <b>1956.2</b> | <b>989.36</b> | <b>1896.1</b> | <b>47.463</b> | <b>47462.</b> | <b>49.42</b> |
| Stddev | .616          | 6.3           | 6.9           | .79           | 2.5           | .050          | 47.           | .12          |
| %RSD   | 1.2526        | .33739        | .35078        | .08010        | .13263        | .10634        | .09917        | .2471        |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>478.11</b> | <b>192.56</b> | <b>243.14</b> | <b>979.80</b> | <b>45097.</b> | <b>942.80</b> | <b>47338.</b> | <b>497.65</b> |
| Stddev | .76           | .25           | 1.23          | 2.57          | 35.           | 1.65          | 15.           | .50           |
| %RSD   | .15913        | .13234        | .50469        | .26278        | .07870        | .17490        | .03215        | .10029        |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |               |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>968.82</b> | <b>46319.</b> | <b>481.87</b> | <b>474.11</b> | <b>483.4</b> | <b>1966.5</b> | <b>1864.4</b> | <b>993.21</b> |
| Stddev | 1.87          | 81.           | 1.26          | .37           | 2.1          | 1.6           | 4.0           | 1.02          |
| %RSD   | .19271        | .17526        | .26077        | .07833        | .4250        | .08093        | .21203        | .10252        |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: lcs 240-70677/2-a      Acquired: 1/3/2013 18:23:36      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1940.1</b> | <b>481.27</b> | <b>484.68</b> | <b>981.44</b> | <b>945.32</b> |
| Stddev | 5.8           | .83           | 1.54          | 3.51          | 1.10          |
| %RSD   | .29740        | .17195        | .31702        | .35752        | .11622        |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6208.0</b> | <b>4540.1</b> | <b>55433.</b> | <b>9829.8</b> |
| Stddev    | 11.8          | 7.6           | 215.          | 15.2          |
| %RSD      | .19058        | .16669        | .38706        | .15465        |

Sample Name: 240-19303-g-1-a      Acquired: 1/3/2013 18:27:14      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-51188</b> | <b>422.18</b> | <b>2.7659</b> | <b>30.121</b> | <b>12.650</b> | <b>.01406</b> | <b>12558.</b> | <b>-.0261</b> |
| Stddev | .43666        | 14.21         | .4061         | .299          | .068          | .02278        | 9.            | .0626         |
| %RSD   | 85.305        | 3.3658        | 14.681        | .99258        | .53364        | 162.04        | .06875        | 239.7         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.57437</b> | <b>1.3422</b> | <b>9.8726</b> | <b>592.68</b> | <b>4881.4</b> | <b>.77862</b> | <b>3037.4</b> | <b>34.562</b> |
| Stddev | .31280        | .0498         | .4079         | 2.60          | 19.3          | 1.6087        | 16.2          | .122          |
| %RSD   | 54.459        | 3.7127        | 4.1317        | .43889        | .39627        | 206.61        | .53302        | .35161        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |                |               |               |
|--------|---------------|---------------|---------------|---------------|--------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>1.1650</b> | <b>5693.0</b> | <b>3.7664</b> | <b>3.4386</b> | <b>3.130</b> | <b>-.08540</b> | <b>.73888</b> | <b>10.681</b> |
| Stddev | .0939         | 5.6           | .1438         | .1290         | 1.474        | 1.2748         | .13022        | .275          |
| %RSD   | 8.0593        | .09771        | 3.8187        | 3.7514        | 47.09        | 1492.7         | 17.624        | 2.5743        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-19303-g-1-a      Acquired: 1/3/2013 18:27:14      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.4483</b> | <b>2.0877</b> | <b>82.150</b> | <b>1758.7</b> | <b>45.452</b> |
| Stddev | .3997         | 1.6058        | .032          | 4.4           | 2.095         |
| %RSD   | 27.600        | 76.915        | .03861        | .25066        | 4.6098        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6589.2</b> | <b>4665.8</b> | <b>57281.</b> | <b>9910.3</b> |
| Stddev    | 6.3           | 4.5           | 149.          | 16.9          |
| %RSD      | .09544        | .09627        | .26018        | .17032        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 99.689%  | 99.209%  | 98.658%  | 100.30%  |
| Range   |          |          |          |          |

Sample Name: SD 240-19303-g-1-a@5      Acquired: 1/3/2013 18:31:08      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |              |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.17625</b> | <b>124.53</b> | <b>.49316</b> | <b>6.5238</b> | <b>2.7071</b> | <b>-.03618</b> | <b>2540.3</b> | <b>.0816</b> |
| Stddev | .19179         | 8.71          | .42731        | .1714         | .0815         | .01025         | 6.1           | .1182        |
| %RSD   | 108.82         | 6.9910        | 86.647        | 2.6269        | 3.0097        | 28.340         | .23900        | 144.9        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |               |               |               |                |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-.00074</b> | <b>.42398</b> | <b>1.7201</b> | <b>122.74</b> | <b>985.82</b> | <b>-.63299</b> | <b>598.72</b> | <b>7.0151</b> |
| Stddev | .08291         | .21745        | .4579         | .79           | 3.52          | .34736         | 6.92          | .0453         |
| %RSD   | 11154.         | 51.286        | 26.622        | .64570        | .35751        | 54.877         | 1.1551        | .64565        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |                |               |               |
|--------|---------------|---------------|---------------|---------------|--------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>.36398</b> | <b>1165.8</b> | <b>1.3438</b> | <b>.25429</b> | <b>.6047</b> | <b>-.84905</b> | <b>.33631</b> | <b>4.1352</b> |
| Stddev | .08758        | 6.5           | .1206         | .67611        | 1.370        | 1.6596         | .19575        | .0155         |
| %RSD   | 24.061        | .55870        | 8.9754        | 265.88        | 226.6        | 195.47         | 58.206        | .37453        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: SD 240-19303-g-1-a@5      Acquired: 1/3/2013 18:31:08      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.59389</b> | <b>.50747</b> | <b>16.566</b> | <b>405.57</b> | <b>11.345</b> |
| Stddev | 1.1277        | 1.0151        | .145          | 5.64          | 2.465         |
| %RSD   | 189.89        | 200.03        | .87456        | 1.3915        | 21.727        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6656.3</b> | <b>4705.0</b> | <b>57513.</b> | <b>9854.2</b> |
| Stddev    | 13.3          | 17.2          | 147.          | 31.6          |
| %RSD      | .20036        | .36656        | .25564        | .32025        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 100.70%  | 100.04%  | 99.059%  | 99.736%  |
| Range   |          |          |          |          |

Sample Name: 240-19303-g-1-b ms      Acquired: 1/3/2013 18:35:05      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 52.784   | 2662.1   | 2091.6   | 1085.5   | 2042.5   | 50.681   | 62687.   | 52.48    |
| Stddev | .272     | 14.7     | 5.0      | 2.8      | 1.5      | .074     | 78.      | .07      |
| %RSD   | .51594   | .55138   | .23679   | .26224   | .07257   | .14625   | .12457   | .1284    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 509.85   | 206.96   | 270.28   | 1694.3   | 53308.   | 1011.0   | 53497.   | 565.09   |
| Stddev | .54      | .65      | .26      | 3.0      | 30.      | 1.6      | 153.     | 1.24     |
| %RSD   | .10496   | .31400   | .09663   | .17889   | .05590   | .15418   | .28538   | .21997   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1041.4   | 55195.   | 516.00   | 507.59   | 517.0    | 2088.5   | 1989.9   | 1079.4   |
| Stddev | 2.7      | 64.      | .14      | .92      | 3.0      | 6.7      | 5.9      | 3.0      |
| %RSD   | .26272   | .11601   | .02655   | .18050   | .5881    | .32150   | .29463   | .27764   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: 240-19303-g-1-b ms      Acquired: 1/3/2013 18:35:05      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2070.5</b> | <b>516.63</b> | <b>598.34</b> | <b>3193.5</b> | <b>1051.5</b> |
| Stddev | 2.6           | 1.68          | 1.03          | 8.8           | 2.5           |
| %RSD   | .12666        | .32593        | .17202        | .27572        | .24053        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6167.5</b> | <b>4529.2</b> | <b>55238.</b> | <b>9837.2</b> |
| Stddev    | 11.5          | 9.9           | 174.          | 28.3          |
| %RSD      | .18693        | .21932        | .31556        | .28775        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 93.309%  | 96.304%  | 95.141%  | 99.563%  |
| Range   |          |          |          |          |

Sample Name: 240-19303-g-1-c msd      Acquired: 1/3/2013 18:38:43      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 52.673   | 2636.8   | 2112.8   | 1090.5   | 2045.9   | 50.664   | 63251.   | 52.81    |
| Stddev | .258     | 16.0     | 6.2      | 1.2      | 2.6      | .138     | 16.      | .03      |
| %RSD   | .49032   | .60837   | .29202   | .11341   | .12537   | .27285   | .02481   | .0528    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 511.98   | 207.09   | 270.48   | 1679.4   | 53826.   | 1014.5   | 53668.   | 566.99   |
| Stddev | .27      | .28      | .55      | 3.4      | 122.     | 1.7      | 51.      | .61      |
| %RSD   | .05231   | .13597   | .20399   | .20292   | .22574   | .17197   | .09547   | .10828   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1047.7   | 55462.   | 518.60   | 510.67   | 518.8    | 2096.8   | 1993.7   | 1078.3   |
| Stddev | 1.5      | 70.      | .70      | 1.97     | .5       | 3.1      | 2.1      | 1.8      |
| %RSD   | .14591   | .12537   | .13514   | .38536   | .1047    | .14918   | .10491   | .17073   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-19303-g-1-c msd      Acquired: 1/3/2013 18:38:43      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2080.5</b> | <b>515.48</b> | <b>598.00</b> | <b>3174.8</b> | <b>1052.5</b> |
| Stddev | 5.2           | 2.76          | .33           | 11.3          | 1.4           |
| %RSD   | .24944        | .53548        | .05490        | .35446        | .13143        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6158.8</b> | <b>4520.2</b> | <b>55100.</b> | <b>9791.3</b> |
| Stddev    | 5.9           | 4.3           | 138.          | 15.8          |
| %RSD      | .09619        | .09464        | .24981        | .16165        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 93.176%  | 96.113%  | 94.903%  | 99.099%  |
| Range   |          |          |          |          |

Sample Name: 240-18972-bk-3-a      Acquired: 1/3/2013 18:42:21      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
|        | ✓        |          | ✓        | ✓        |          |          |
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 106.74   | 378.98   | 272.94   | F 93770. | 345.43   | -.26264  |
| Stddev | .47      | 21.19    | 2.10     | 607.     | .64      | .00711   |
| %RSD   | .44200   | 5.5915   | .76836   | .64782   | .18671   | 2.7054   |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass |
| High Limit |          |          |          | 20000.   |          |          |
| Low Limit  |          |          |          | -500000. |          |          |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ca3179   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   |
| IS Ref | (Y_3710) | (Y_2243) | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 378230.  | F 24510. | 252.99   | 82.613   | 6719.2   | 76.079   |
| Stddev | 3498.    | 203.     | 2.04     | .459     | 15.9     | 1.776    |
| %RSD   | .92481   | .8277    | .80722   | .55593   | .23597   | 2.3338   |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          | 2000.    |          |          |          |          |
| Low Limit  |          | -500000. |          |          |          |          |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | K_7664     | Li6707   | Mg2790   | Mn2576   | Mo2020   | Na5895   |
| IS Ref | (Y_3710)   | (Y_3710) | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710) |
| Units  | ppb        | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | F 3390300. | F 91418. | 212880.  | 2002.4   | 1723.2   | ^ *****  |
| Stddev | 17028.     | 648.     | 572.     | 2.5      | 21.6     | ----     |
| %RSD   | .50226     | .70862   | .26890   | .12695   | 1.2562   | ----     |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Fail | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | 500000.  | 50000.   |          |          |          |          |
| Low Limit  | -500000. | -500000. |          |          |          |          |

Sample Name: 240-18972-bk-3-a      Acquired: 1/3/2013 18:42:21      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ni2316 ✓ | Pb2203 ✓ | Sb2175 ✓ | Se1960 ✓ | Sn1899   | Ti3372   |
| IS Ref | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 178.16   | 1112.2   | 1896.    | 804.45   | 11.704   | 45.661   |
| Stddev | .92      | 8.8      | 17.      | 4.17     | .651     | .699     |
| %RSD   | .51492   | .78855   | .9069    | .51867   | 5.5594   | 1.5304   |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |          |          |                     |          |          |
|--------|----------|----------|---------------------|----------|----------|
| Elem   | Ti1908 ✓ | V_2908 ✓ | Zn2062 ✓ <i>Del</i> | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306)            | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb                 | ppb      | ppb      |
| Avg    | 416.98   | 66.238   | F 31744.            | 25762.   | 4844.6   |
| Stddev | 6.05     | 1.173    | 185.                | 114.     | 18.7     |
| %RSD   | 1.4515   | 1.7716   | .58279              | .44107   | .38510   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass |
| High Limit |          |          | 10000.   |          |          |
| Low Limit  |          |          | -500000. |          |          |

|           |          |          |          |        |
|-----------|----------|----------|----------|--------|
| Int. Std. | In2306 ✓ | Y_2243 ✓ | Y_3600 ✓ | Y_3710 |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S  |
| Avg       | W 2463.4 | W 2122.6 | W 26580. | 7281.4 |
| Stddev    | 1.7      | 7.2      | 21.      | 29.3   |
| %RSD      | .06794   | .33771   | .07969   | .40200 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Warn | Chk Warn | Chk Warn | Chk Pass |
| Value   | 37.269%  | 45.133%  | 45.780%  | 73.696%  |
| Range   | -30.500% | -30.500% | -30.500% |          |

Sample Name: 240-19324-a-15-a      Acquired: 1/3/2013 18:46:40      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-.36145</b> | <b>13607.</b> | <b>31.494</b> | <b>266.94</b> | <b>776.87</b> | <b>.26979</b> | <b>175730.</b> |
| Stddev | .07882         | 31.           | .953          | 2.28          | 1.22          | .06593        | 3224.          |
| %RSD   | 21.807         | .23125        | 3.0266        | .85265        | .15668        | 24.438        | 1.8347         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.5856</b> | <b>8.4710</b> | <b>17.062</b> | <b>11.535</b> | <b>20509.</b> | <b>23260.</b> | <b>38.419</b> |
| Stddev | .2169        | .2479         | .094          | .125          | 14.           | 153.          | 1.030         |
| %RSD   | 37.04        | 2.9263        | .55296        | 1.0859        | .06826        | .65830        | 2.6811        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175        |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>59143.</b> | <b>3970.8</b> | <b>8.1797</b> | <b>46049.</b> | <b>23.909</b> | <b>8.7496</b> | <b>-.2977</b> |
| Stddev | 164.          | 2.8           | .1940         | 112.          | .131          | .8275         | 2.097         |
| %RSD   | .27716        | .06994        | 2.3720        | .24224        | .54920        | 9.4576        | 704.3         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19324-a-15-a      Acquired: 1/3/2013 18:46:40      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2.0828</b> | <b>1.1197</b> | <b>315.33</b> | <b>3.9514</b> | <b>33.706</b> | <b>56.899</b> | <b>44062.</b> |
| Stddev | 1.3498        | .1792         | 2.58          | .5509         | .199          | .063          | 1042.         |
| %RSD   | 64.807        | 16.005        | .81739        | 13.942        | .59100        | .11002        | 2.3637        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>2051.5</b> |
| Stddev | 9.5           |
| %RSD   | .46469        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6051.7</b> | <b>4585.7</b> | <b>55834.</b> | <b>9944.4</b> |
| Stddev    | 10.0          | 6.1           | 118.          | 15.1          |
| %RSD      | .16532        | .13390        | .21103        | .15207        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 91.557%  | 97.506%  | 96.166%  | 100.65%  |
| Range   |          |          |          |          |

Sample Name: 240-19324-a-19-a      Acquired: 1/3/2013 18:50:45      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.45463</b> | <b>5504.1</b> | <b>15.386</b> | <b>235.23</b> | <b>1703.5</b> | <b>-.29652</b> | <b>273240.</b> |
| Stddev | .37059         | 38.1          | 2.500         | .37           | 1.3           | .05363         | 1766.          |
| %RSD   | 81.514         | .69299        | 16.252        | .15739        | .07865        | 18.087         | .64616         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.6096</b> | <b>7.3795</b> | <b>7.3086</b> | <b>1.6318</b> | <b>28341.</b> | <b>9516.4</b> | <b>22.953</b> |
| Stddev | .1071        | .2342         | .0994         | .5072         | 21.           | 20.7          | .147          |
| %RSD   | 17.57        | 3.1735        | 1.3603        | 31.080        | .07549        | .21737        | .64241        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |                |               |               |                |               |               |               |
|--------|----------------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Mg2790         | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175        |
| IS Ref | (Y_3710)       | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>113170.</b> | <b>602.90</b> | <b>.21920</b> | <b>101560.</b> | <b>6.2776</b> | <b>1.7457</b> | <b>-.4225</b> |
| Stddev | 213.           | 1.62          | .10138        | 195.           | .4163         | .7861         | .6772         |
| %RSD   | .18789         | .26889        | 46.251        | .19223         | 6.6317        | 45.030        | 160.3         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |



Sample Name: 240-19324-a-19-a      Acquired: 1/3/2013 18:50:45      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.2452</b> | <b>.98303</b> | <b>141.67</b> | <b>3.6792</b> | <b>11.299</b> | <b>17.421</b> | <b>33611.</b> |
| Stddev | 1.9438        | .40218        | 1.03          | .8942         | 1.377         | .145          | 146.          |
| %RSD   | 156.11        | 40.912        | .72675        | 24.303        | 12.186        | .83446        | .43316        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>1163.5</b> |
| Stddev | 10.2          |
| %RSD   | .87380        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5850.4</b> | <b>4416.1</b> | <b>53983.</b> | <b>9571.7</b> |
| Stddev    | 8.0           | 4.3           | 126.          | 20.0          |
| %RSD      | .13622        | .09788        | .23393        | .20851        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 88.511%  | 93.900%  | 92.978%  | 96.877%  |
| Range   |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 18:54:42      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1016.8   | 24943.   | 515.64   | 5120.3   | 2000.1   | 2069.5   | 51079.   |
| Stddev | .1       | 6.       | 1.71     | 7.7      | 2.7      | 1.8      | 36.      |
| %RSD   | .01160   | .02248   | .33106   | .15053   | .13657   | .08651   | .07124   |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 510.0    | 2008.3   | 2019.0   | 2034.4   | 25714.   | 48759.   | 5074.0   |
| Stddev | .8       | 1.9      | 3.1      | 3.5      | 19.      | 74.      | 5.4      |
| %RSD   | .1657    | .09226   | .15475   | .17074   | .07501   | .15167   | .10653   |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mg2790   | Mn2576   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   |
| IS Ref | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 51216.   | 2059.4   | 2060.9   | 46875.   | 2003.7   | 500.74   | 502.5    |
| Stddev | 39.      | 16.7     | 3.5      | 167.     | 1.8      | 2.18     | 1.7      |
| %RSD   | .07658   | .81066   | .17117   | .35566   | .08762   | .43608   | .3480    |

|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 18:54:42      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Se1960   | Sn1899   | Ti3372   | Ti1908   | V_2908   | Zn2062   | Si2516   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (In2306) | (Y_3710) | (In2306) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 504.18   | 4993.9   | 5281.2   | 1034.9   | 2016.9   | 2037.0   | F 5778.7 |
| Stddev | 1.68     | 16.4     | 17.2     | 3.0      | 5.3      | 2.0      | 119.3    |
| %RSD   | .33234   | .32937   | .32614   | .28534   | .26437   | .09758   | 2.0650   |



|         |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value   |          |          |          |          |          |          | 5000.0   |
| Range   |          |          |          |          |          |          | 10.500%  |

|        |          |
|--------|----------|
| Elem   | Sr3464   |
| IS Ref | (Y_3710) |
| Units  | ppb      |
| Avg    | 5078.2   |
| Stddev | 18.2     |
| %RSD   | .35830   |

|         |          |
|---------|----------|
| Check ? | Chk Pass |
| Value   |          |
| Range   |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6093.0 | 4521.4 | 54854. | 9622.6 |
| Stddev    | 7.5    | 5.4    | 56.    | 5.9    |
| %RSD      | .12256 | .11986 | .10229 | .06110 |

Sample Name: CCB      Acquired: 1/3/2013 18:58:31      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |                |               |               |               |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.21958</b> | <b>9.3407</b> | <b>-.67576</b> | <b>27.694</b> | <b>.09522</b> | <b>.05781</b> | <b>7.7551</b> | <b>-.0152</b> |
| Stddev | .76888         | 2.8772        | .31094         | .500          | .25697        | .04560        | 2.0573        | .0746         |
| %RSD   | 350.16         | 30.803        | 46.013         | 1.8068        | 269.88        | 78.887        | 26.528        | 490.9         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |                |                |               |               |               |               |               |
|--------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677         | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)       | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb            | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.10615</b> | <b>-.18517</b> | <b>-.22077</b> | <b>1.8580</b> | <b>169.72</b> | <b>1.6059</b> | <b>2.6302</b> | <b>.04954</b> |
| Stddev | .18977         | .17433         | .39074         | .7304         | 31.63         | 1.1212        | 24.308        | .02618        |
| %RSD   | 178.77         | 94.144         | 176.99         | 39.311        | 18.638        | 69.813        | 924.18        | 52.837        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |               |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.66143</b> | <b>612.93</b> | <b>.05709</b> | <b>.10122</b> | <b>1.486</b> | <b>.65667</b> | <b>.37908</b> | <b>1.3032</b> |
| Stddev | .06296        | 10.49         | .19211        | .71142        | .549         | 1.6451        | .21943        | .0690         |
| %RSD   | 9.5183        | 1.7117        | 336.48        | 702.83        | 36.91        | 250.52        | 57.885        | 5.2952        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 18:58:31      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |                |               |               |               |
|--------|----------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908         | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)       | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>-.35841</b> | <b>-1.3810</b> | <b>.23230</b> | <b>92.898</b> | <b>2.1315</b> |
| Stddev | .15468         | .8963          | .07219        | 14.068        | 4.5174        |
| %RSD   | 43.157         | 64.901         | 31.075        | 15.143        | 211.93        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6597.0</b> | <b>4665.4</b> | <b>57298.</b> | <b>9637.2</b> |
| Stddev    | 6.8           | 8.6           | 169.          | 17.0          |
| %RSD      | .10330        | .18339        | .29418        | .17664        |

Sample Name: 240-19339-b-1-b      Acquired: 1/3/2013 19:02:32      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |              |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>-46760</b> | <b>27.407</b> | <b>1.3579</b> | <b>138.54</b> | <b>79.343</b> | <b>-18352</b> | <b>89614.</b> | <b>.2638</b> |
| Stddev | .27568        | 7.579         | 1.0730        | .98           | .260          | .03956        | 135.          | .1754        |
| %RSD   | 58.955        | 27.653        | 79.021        | .70736        | .32829        | 21.557        | .15022        | 66.47        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |               |               |               |               |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.09031</b> | <b>.75816</b> | <b>-.56060</b> | <b>2955.0</b> | <b>2512.7</b> | <b>27.215</b> | <b>46646.</b> | <b>20.177</b> |
| Stddev | .18669        | .29823        | .33024         | 2.8           | 1.3           | .481          | 195.          | .126          |
| %RSD   | 206.72        | 39.336        | 58.909         | .09390        | .04988        | 1.7661        | .41863        | .62526        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |                |               |                |
|--------|---------------|---------------|---------------|----------------|--------------|----------------|---------------|----------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960         | Sn1899        | Ti3372         |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)       |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb            | ppb           | ppb            |
| Avg    | <b>123.15</b> | <b>15846.</b> | <b>.51359</b> | <b>-.63047</b> | <b>.3818</b> | <b>-.74209</b> | <b>.43245</b> | <b>-.22402</b> |
| Stddev | .31           | 43.           | .21820        | .21180         | 1.930        | .76196         | .41351        | .05770         |
| %RSD   | .24957        | .26834        | 42.484        | 33.594         | 505.7        | 102.68         | 95.621        | 25.756         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-19339-b-1-b      Acquired: 1/3/2013 19:02:32      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>2.0961</b> | <b>-1.7457</b> | <b>2.0777</b> | <b>8890.6</b> | <b>5672.4</b> |
| Stddev | .3179         | 1.4221         | .0185         | 18.5          | 14.3          |
| %RSD   | 15.166        | 81.460         | .89045        | .20842        | .25278        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6310.0</b> | <b>4565.8</b> | <b>55875.</b> | <b>9689.0</b> |
| Stddev    | 14.4          | 11.9          | 198.          | 44.0          |
| %RSD      | .22760        | .26053        | .35422        | .45364        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 95.464%  | 97.081%  | 96.237%  | 98.063%  |
| Range   |          |          |          |          |

Sample Name: 240-19339-b-2-b      Acquired: 1/3/2013 19:06:23      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
Comment:

|        |                |               |               |               |               |                |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.36369</b> | <b>2.4235</b> | <b>1.8701</b> | <b>255.42</b> | <b>42.333</b> | <b>-.19962</b> | <b>100900.</b> |
| Stddev | .09483         | 7.5559        | .7575         | .81           | .286          | .03131         | 1084.          |
| %RSD   | 26.074         | 311.77        | 40.506        | .31832        | .67614        | 15.686         | 1.0744         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |                |               |               |               |
|--------|--------------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.3152</b> | <b>.97465</b> | <b>.92917</b> | <b>-.39105</b> | <b>2221.3</b> | <b>2793.9</b> | <b>27.310</b> |
| Stddev | .1390        | .02124        | .11369        | .41719         | 5.9           | 26.6          | 1.249         |
| %RSD   | 44.10        | 2.1791        | 12.235        | 106.69         | .26480        | .95101        | 4.5730        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |              |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb          |
| Avg    | <b>43902.</b> | <b>15.214</b> | <b>108.62</b> | <b>24383.</b> | <b>1.4488</b> | <b>-.43014</b> | <b>.4406</b> |
| Stddev | 42.           | .103          | .13           | 27.           | 1.3407        | .46268         | 1.528        |
| %RSD   | .09535        | .67717        | .11537        | .10968        | 92.540        | 107.56         | 346.9        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |



Sample Name: 240-19339-b-2-b      Acquired: 1/3/2013 19:06:23      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |                |               |               |               |               |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372         | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)       | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.50908</b> | <b>.57632</b> | <b>-1.3187</b> | <b>1.1960</b> | <b>.70471</b> | <b>1.2281</b> | <b>8341.6</b> |
| Stddev | 1.0796        | .24708        | .1611          | .3912         | .92815        | .5176         | 12.1          |
| %RSD   | 212.07        | 42.872        | 12.217         | 32.710        | 131.71        | 42.147        | .14451        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>19451.</b> |
| Stddev | 14.           |
| %RSD   | .07437        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6271.4</b> | <b>4547.9</b> | <b>55429.</b> | <b>9757.6</b> |
| Stddev    | 17.7          | 8.5           | 181.          | 44.8          |
| %RSD      | .28225        | .18736        | .32700        | .45924        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 94.880%  | 96.702%  | 95.470%  | 98.758%  |
| Range   |          |          |          |          |

Sample Name: 240-19339-b-3-b      Acquired: 1/3/2013 19:10:16      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |              |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.21463</b> | <b>858.03</b> | <b>1.3520</b> | <b>525.15</b> | <b>40.074</b> | <b>-.14524</b> | <b>96275.</b> | <b>.2212</b> |
| Stddev | .11981         | 3.34          | 1.5291        | .79           | .039          | .01209         | 36.           | .1430        |
| %RSD   | 55.825         | .38887        | 113.10        | .15000        | .09835        | 8.3263         | .03719        | 64.67        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |               |               |               |               |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.58713</b> | <b>1.4680</b> | <b>-.39872</b> | <b>2334.0</b> | <b>3781.4</b> | <b>28.537</b> | <b>35622.</b> | <b>24.378</b> |
| Stddev | .26431        | .3464         | .23497         | 2.2           | 37.2          | .294          | 119.          | .093          |
| %RSD   | 45.017        | 23.600        | 58.930         | .09303        | .98402        | 1.0294        | .33388        | .38090        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |                |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>115.63</b> | <b>45983.</b> | <b>1.5989</b> | <b>-.56969</b> | <b>.7759</b> | <b>-.38241</b> | <b>.10246</b> | <b>11.028</b> |
| Stddev | .34           | 31.           | .0309         | 1.9817         | 1.632        | .94210         | .14666        | 1.239         |
| %RSD   | .29615        | .06810        | 1.9349        | 347.85         | 210.3        | 246.36         | 143.14        | 11.232        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-19339-b-3-b      Acquired: 1/3/2013 19:10:16      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2.0034</b> | <b>1.5787</b> | <b>2.3413</b> | <b>8389.6</b> | <b>20696.</b> |
| Stddev | .7289         | .8734         | .0087         | 19.8          | 29.           |
| %RSD   | 36.382        | 55.323        | .37236        | .23570        | .14224        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6258.0</b> | <b>4534.4</b> | <b>55460.</b> | <b>9730.3</b> |
| Stddev    | 12.1          | 7.6           | 98.           | 20.1          |
| %RSD      | .19398        | .16765        | .17611        | .20657        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 94.678%  | 96.414%  | 95.523%  | 98.482%  |
| Range   |          |          |          |          |

Sample Name: 240-19339-b-4-b      Acquired: 1/3/2013 19:14:04      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.27846</b> | <b>25.422</b> | <b>1.9862</b> | <b>226.86</b> | <b>76.859</b> | <b>-.23706</b> | <b>105230.</b> |
| Stddev | .11181         | 7.153         | .3949         | .24           | .168          | .05300         | 868.           |
| %RSD   | 40.151         | 28.137        | 19.881        | .10409        | .21879        | 22.358         | .82511         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |                |               |               |               |
|--------|--------------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.3042</b> | <b>.09281</b> | <b>1.0198</b> | <b>-.97710</b> | <b>2947.6</b> | <b>2731.8</b> | <b>24.405</b> |
| Stddev | .1523        | .03610        | .0268         | .43332         | 7.1           | 11.3          | 1.278         |
| %RSD   | 50.07        | 38.893        | 2.6280        | 44.348         | .23972        | .41499        | 5.2376        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |              |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb          |
| Avg    | <b>44791.</b> | <b>11.453</b> | <b>102.37</b> | <b>22247.</b> | <b>.83992</b> | <b>-1.0402</b> | <b>.2089</b> |
| Stddev | 61.           | .013          | .08           | 46.           | .36295        | .8400          | 1.745        |
| %RSD   | .13514        | .11719        | .07748        | .20787        | 43.213        | 80.755         | 835.5        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19339-b-4-b      Acquired: 1/3/2013 19:14:04      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |                |               |                |               |               |
|--------|----------------|---------------|----------------|---------------|----------------|---------------|---------------|
| Elem   | Se1960         | Sn1899        | Ti3372         | Ti1908        | V_2908         | Zn2062        | Si2516        |
| IS Ref | (Y_2243)       | (In2306)      | (Y_3600)       | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-.54558</b> | <b>.30028</b> | <b>-1.3488</b> | <b>1.8595</b> | <b>-1.0329</b> | <b>1.2645</b> | <b>8378.6</b> |
| Stddev | .68953         | .70894        | .2151          | .9882         | .3047          | .0891         | 12.6          |
| %RSD   | 126.38         | 236.09        | 15.946         | 53.142        | 29.501         | 7.0457        | .15015        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>21948.</b> |
| Stddev | <b>47.</b>    |
| %RSD   | .21585        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6225.1</b> | <b>4511.9</b> | <b>55015.</b> | <b>9717.7</b> |
| Stddev    | 11.7          | 11.4          | 126.          | 16.8          |
| %RSD      | .18727        | .25203        | .22896        | .17334        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 94.180%  | 95.937%  | 94.756%  | 98.354%  |
| Range   |          |          |          |          |

Sample Name: 240-19339-b-5-a      Acquired: 1/3/2013 19:18:02      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |              |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.28598</b> | <b>58.716</b> | <b>30.684</b> | <b>236.67</b> | <b>149.52</b> | <b>-.22873</b> | <b>99371.</b> | <b>.2976</b> |
| Stddev | .36627         | 11.675        | .970          | .46           | .09           | .07214         | 192.          | .0673        |
| %RSD   | 128.08         | 19.884        | 3.1618        | .19319        | .06086        | 31.542         | .19337        | 22.62        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |               |               |               |               |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.23715</b> | <b>.91819</b> | <b>-.05334</b> | <b>2553.4</b> | <b>2728.3</b> | <b>25.917</b> | <b>39280.</b> | <b>99.268</b> |
| Stddev | .09891        | .30276        | .75441         | 5.9           | 4.3           | 1.559         | 50.           | .326          |
| %RSD   | 41.706        | 32.974        | 1414.3         | .23162        | .15617        | 6.0144        | .12791        | .32799        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |               |                |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|---------------|----------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372         |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)       |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb           | ppb            |
| Avg    | <b>114.25</b> | <b>30703.</b> | <b>1.6549</b> | <b>-.55630</b> | <b>.6302</b> | <b>.84281</b> | <b>.25217</b> | <b>-.38189</b> |
| Stddev | .12           | 33.           | .1742         | .45455         | .4947        | 1.6474        | .46109        | .14702         |
| %RSD   | .10256        | .10726        | 10.526        | 81.709         | 78.50        | 195.47        | 182.85        | 38.498         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 240-19339-b-5-a      Acquired: 1/3/2013 19:18:02      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2.0009</b> | <b>.49090</b> | <b>4.0170</b> | <b>9630.6</b> | <b>11371.</b> |
| Stddev | .1555         | .70378        | .0049         | 22.1          | 21.           |
| %RSD   | 7.7715        | 143.37        | .12161        | .22919        | .18507        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6276.5</b> | <b>4558.8</b> | <b>55407.</b> | <b>9697.3</b> |
| Stddev    | 6.2           | 4.2           | 112.          | 52.9          |
| %RSD      | .09913        | .09255        | .20297        | .54531        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 94.958%  | 96.934%  | 95.431%  | 98.147%  |
| Range   |          |          |          |          |

Sample Name: 240-19339-b-6-a      Acquired: 1/3/2013 19:21:52      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.17848</b> | <b>61.794</b> | <b>31.930</b> | <b>237.66</b> | <b>151.69</b> | <b>-.22936</b> | <b>100760.</b> |
| Stddev | .06691         | 11.318        | 2.091         | .55           | .30           | .04547         | 104.           |
| %RSD   | 37.490         | 18.316        | 6.5490        | .23120        | .19763        | 19.824         | .10320         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |                |               |               |               |
|--------|--------------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.2940</b> | <b>.37057</b> | <b>.85947</b> | <b>-.26054</b> | <b>2580.3</b> | <b>2764.1</b> | <b>25.456</b> |
| Stddev | .1608        | .06875        | .13007        | .32310         | 13.2          | 50.1          | .515          |
| %RSD   | 54.70        | 18.553        | 15.133        | 124.01         | .51183        | 1.8124        | 2.0244        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175        |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>39682.</b> | <b>99.275</b> | <b>115.63</b> | <b>31149.</b> | <b>1.6957</b> | <b>.19787</b> | <b>-1.320</b> |
| Stddev | 122.          | .072          | .35           | 58.           | .5041         | .97779        | .736          |
| %RSD   | .30645        | .07287        | .30315        | .18514        | 29.729        | 494.16        | 55.79         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |



Sample Name: 240-19339-b-6-a      Acquired: 1/3/2013 19:21:52      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |                |               |               |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960         | Sn1899        | Ti3372         | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)       | (In2306)      | (Y_3600)       | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.43319</b> | <b>.49117</b> | <b>-.47901</b> | <b>2.0578</b> | <b>.30705</b> | <b>2.7392</b> | <b>9758.9</b> |
| Stddev | 1.5991         | .31346        | .07274         | .3261         | 1.6052        | .0870         | 23.4          |
| %RSD   | 369.15         | 63.819        | 15.185         | 15.846        | 522.79        | 3.1745        | .24010        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>11512.</b> |
| Stddev | 8.            |
| %RSD   | .07290        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6260.0</b> | <b>4549.2</b> | <b>55620.</b> | <b>9704.8</b> |
| Stddev    | 10.2          | 6.5           | 43.           | 33.0          |
| %RSD      | .16356        | .14212        | .07662        | .34037        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 94.707%  | 96.730%  | 95.797%  | 98.223%  |
| Range   |          |          |          |          |

Sample Name: 240-19355-a-1-a      Acquired: 1/3/2013 19:25:44      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |               |               |               |                |                |
|--------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082         | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-4.0818</b> | <b>-4.0798</b> | <b>6.1466</b> | <b>344.82</b> | <b>26.301</b> | <b>-.31419</b> | <b>155290.</b> |
| Stddev | .49984         | 12.047         | .8322         | .99           | .173          | .07556         | 2505.          |
| %RSD   | 122.46         | 295.29         | 13.539        | .28702        | .65897        | 24.050         | 1.6131         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.3023</b> | <b>.70388</b> | <b>.72261</b> | <b>5.7620</b> | <b>1502.2</b> | <b>3039.4</b> | <b>.50154</b> |
| Stddev | .1010        | .06470        | .22203        | .6145         | 3.4           | 6.0           | .81955        |
| %RSD   | 33.40        | 9.1915        | 30.726        | 10.664        | .22323        | .19704        | 163.41        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |              |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>56711.</b> | <b>189.16</b> | <b>31.385</b> | <b>46352.</b> | <b>2.6170</b> | <b>1.1305</b> | <b>1.502</b> |
| Stddev | 129.          | .35           | .221          | 78.           | .2126         | .3356         | 2.203        |
| %RSD   | .22782        | .18251        | .70549        | .16754        | 8.1247        | 29.687        | 146.7        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19355-a-1-a      Acquired: 1/3/2013 19:25:44      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Se1960   | Sn1899   | Ti3372   | Ti1908   | V_2908   | Zn2062   | Si2516   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (In2306) | (Y_3710) | (In2306) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -1.0598  | .44966   | -.89905  | 2.6052   | .01537   | 136.50   | 4935.6   |
| Stddev | .5674    | .47557   | .17857   | .1772    | .42868   | .26      | 149.7    |
| %RSD   | 53.543   | 105.76   | 19.862   | 6.8035   | 2788.8   | .19106   | 3.0340   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |
|--------|----------|
| Elem   | Sr3464   |
| IS Ref | (Y_3710) |
| Units  | ppb      |
| Avg    | 10364.   |
| Stddev | 11.      |
| %RSD   | .10849   |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6177.7 | 4490.7 | 54563. | 9634.3 |
| Stddev    | 5.7    | 3.2    | 148.   | 25.4   |
| %RSD      | .09244 | .07035 | .27074 | .26362 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 93.462%  | 95.485%  | 93.977%  | 97.510%  |
| Range   |          |          |          |          |

Sample Name: 240-19355-a-2-a      Acquired: 1/3/2013 19:29:42      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |               |               |               |                |                |
|--------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082         | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.09771</b> | <b>-8.9613</b> | <b>4.1631</b> | <b>337.78</b> | <b>24.087</b> | <b>-.31735</b> | <b>153320.</b> |
| Stddev | .34788         | 7.8709         | .9426         | .53           | .213          | .03099         | 1206.          |
| %RSD   | 356.01         | 87.832         | 22.643        | .15835        | .88293        | 9.7667         | .78636         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.3157</b> | <b>.88443</b> | <b>.82625</b> | <b>3.2101</b> | <b>877.20</b> | <b>2933.1</b> | <b>.45395</b> |
| Stddev | .0768        | .30960        | .05918        | .2978         | 2.90          | 37.5          | .58578        |
| %RSD   | 24.34        | 35.005        | 7.1623        | 9.2779        | .33084        | 1.2785        | 129.04        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175        |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>55539.</b> | <b>188.12</b> | <b>30.397</b> | <b>45577.</b> | <b>9.9667</b> | <b>-.86322</b> | <b>-.3918</b> |
| Stddev | 191.          | .34           | .189          | 93.           | .1847         | .79639         | 1.054         |
| %RSD   | .34419        | .18258        | .62025        | .20340        | 1.8533        | 92.258         | 269.0         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19355-a-2-a      Acquired: 1/3/2013 19:29:42      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |                |               |                |               |               |
|--------|----------------|---------------|----------------|---------------|----------------|---------------|---------------|
| Elem   | Se1960         | Sn1899        | Ti3372         | Ti1908        | V_2908         | Zn2062        | Si2516        |
| IS Ref | (Y_2243)       | (In2306)      | (Y_3600)       | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-.26810</b> | <b>.14839</b> | <b>-.85670</b> | <b>2.8338</b> | <b>-.10334</b> | <b>22.790</b> | <b>5481.6</b> |
| Stddev | .50493         | .44917        | .20747         | .5236         | 1.0990         | .024          | 21.4          |
| %RSD   | 188.34         | 302.70        | 24.217         | 18.475        | 1063.5         | .10446        | .38998        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>10132.</b> |
| Stddev | 28.           |
| %RSD   | .27379        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6185.3</b> | <b>4497.2</b> | <b>54518.</b> | <b>9638.9</b> |
| Stddev    | 2.4           | 2.7           | 73.           | 29.2          |
| %RSD      | .03802        | .05911        | .13336        | .30339        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 93.578%  | 95.623%  | 93.900%  | 97.557%  |
| Range   |          |          |          |          |

Sample Name: 240-19357-c-1-a      Acquired: 1/3/2013 19:33:39      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-.17864</b> | <b>29.828</b> | <b>1.4524</b> | <b>138.58</b> | <b>16.081</b> | <b>5.3377</b> | <b>300390.</b> |
| Stddev | .38956         | 12.119        | .7613         | .43           | .279          | .0670         | 2935.          |
| %RSD   | 218.07         | 40.629        | 52.419        | .31004        | 1.7366        | 1.2557        | .97701         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.4105</b> | <b>.32327</b> | <b>.98258</b> | <b>4.6945</b> | <b>59.980</b> | <b>2559.1</b> | <b>7.1938</b> |
| Stddev | .0954        | .28133        | .18749        | .0912         | 1.003         | 40.2          | .2362         |
| %RSD   | 23.24        | 87.026        | 19.082        | 1.9429        | 1.6723        | 1.5693        | 3.2827        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |                |               |               |               |               |                |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Mg2790         | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175        |
| IS Ref | (Y_3710)       | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>276000.</b> | <b>1.7177</b> | <b>13.088</b> | <b>49322.</b> | <b>5.5205</b> | <b>-1.2257</b> | <b>-.7014</b> |
| Stddev | 265.           | .0195         | .132          | 106.          | .2606         | .4322          | .8970         |
| %RSD   | .09613         | 1.1362        | 1.0106        | .21579        | 4.7207        | 35.260         | 127.9         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19357-c-1-a      Acquired: 1/3/2013 19:33:39      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7 :  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Se1960   | Sn1899   | Ti3372   | Ti1908   | V_2908   | Zn2062   | Si2516   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (In2306) | (Y_3710) | (In2306) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1.8438   | .82956   | .00495   | 3.2193   | -2.9954  | 2.8720   | 6222.3   |
| Stddev | .9630    | .14786   | .11350   | .4934    | 1.5348   | .0851    | 16.9     |
| %RSD   | 52.227   | 17.824   | 2293.9   | 15.327   | 51.240   | 2.9639   | .27082   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |
|--------|----------|
| Elem   | Sr3464   |
| IS Ref | (Y_3710) |
| Units  | ppb      |
| Avg    | 2712.5   |
| Stddev | 8.0      |
| %RSD   | .29571   |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5934.2 | 4369.8 | 53359. | 9545.0 |
| Stddev    | 17.4   | 16.0   | 45.    | 30.6   |
| %RSD      | .29310 | .36723 | .08412 | .32106 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 89.779%  | 92.914%  | 91.904%  | 96.607%  |
| Range   |          |          |          |          |

Sample Name: 240-19357-c-2-a      Acquired: 1/3/2013 19:37:39      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |                |               |               |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-.23199</b> | <b>64.905</b> | <b>.96921</b> | <b>57.086</b> | <b>45.897</b> | <b>.16757</b> | <b>119480.</b> |
| Stddev | .25913         | 4.359         | .85650        | .294          | .111          | .02408        | 345.           |
| %RSD   | 111.70         | 6.7155        | 88.371        | .51428        | .24205        | 14.368        | .28852         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |                |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707         |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>.3365</b> | <b>.08799</b> | <b>.94595</b> | <b>3.9472</b> | <b>119.25</b> | <b>1401.1</b> | <b>-2.4176</b> |
| Stddev | .0239        | .04819        | .15035        | .5535         | 1.27          | 15.7          | .4571          |
| %RSD   | 7.110        | 54.762        | 15.894        | 14.022        | 1.0640        | 1.1226        | 18.906         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |              |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb          |
| Avg    | <b>71763.</b> | <b>6.3581</b> | <b>2.5299</b> | <b>20694.</b> | <b>1.6590</b> | <b>-1.2032</b> | <b>.8063</b> |
| Stddev | 79.           | .0462         | .0793         | 12.           | .2967         | .3346          | .8631        |
| %RSD   | .11004        | .72596        | 3.1350        | .05726        | 17.882        | 27.812         | 107.0        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |



Sample Name: 240-19357-c-2-a      Acquired: 1/3/2013 19:37:39      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2.4061</b> | <b>.47753</b> | <b>1.1392</b> | <b>2.6569</b> | <b>.63859</b> | <b>6.4880</b> | <b>5652.7</b> |
| Stddev | 2.2654        | .38704        | .0901         | .1732         | 1.1002        | .1046         | 8.7           |
| %RSD   | 94.153        | 81.051        | 7.9093        | 6.5177        | 172.28        | 1.6118        | .15341        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>1436.6</b> |
| Stddev | 8.9           |
| %RSD   | .62020        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6259.7</b> | <b>4545.0</b> | <b>55369.</b> | <b>9745.5</b> |
| Stddev    | 16.7          | 8.8           | 74.           | 21.4          |
| %RSD      | .26757        | .19398        | .13342        | .21970        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 94.704%  | 96.641%  | 95.366%  | 98.636%  |
| Range   |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 19:41:45      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1010.4   | 24828.   | 513.19   | 5079.6   | 1992.7   | 2058.3   | 50882.   | 507.7    |
| Stddev | 1.3      | 4.       | .39      | 7.7      | 2.2      | 4.1      | 69.      | .8       |
| %RSD   | .12714   | .01787   | .07570   | .15186   | .10826   | .19940   | .13570   | .1581    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2000.3   | 1998.6   | 2014.2   | 25565.   | 48638.   | 5058.7   | 50979.   | 2042.1   |
| Stddev | .9       | 4.3      | .9       | 60.      | 124.     | 6.4      | 176.     | 3.7      |
| %RSD   | .04630   | .21274   | .04252   | .23593   | .25588   | .12611   | .34575   | .18204   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2056.9   | 48752.   | 1998.0   | 500.26   | 500.3    | 498.61   | 4966.2   | 5185.0   |
| Stddev | 3.0      | 72.      | 2.4      | 1.03     | 1.1      | 1.45     | 3.0      | 40.9     |
| %RSD   | .14616   | .14669   | .11841   | .20658   | .2161    | .29095   | .06034   | .78897   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 19:41:45      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1029.5</b> | <b>2009.9</b> | <b>2030.7</b> | <b>5420.8</b> | <b>5065.6</b> |
| Stddev | 1.8           | .4            | 3.0           | 89.4          | 16.7          |
| %RSD   | .17529        | .01946        | .15018        | 1.6484        | .32881        |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6114.8</b> | <b>4534.1</b> | <b>55248.</b> | <b>9663.8</b> |
| Stddev    | 5.6           | 10.7          | 111.          | 45.0          |
| %RSD      | .09220        | .23602        | .20126        | .46612        |

Sample Name: CCB      Acquired: 1/3/2013 19:45:31      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |                |                |               |               |               |               |              |
|--------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280        | Al3082         | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)      | (Y_3710)       | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb           | ppb            | ppb            | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>-55609</b> | <b>-5.4587</b> | <b>-.60220</b> | <b>11.640</b> | <b>.19314</b> | <b>.00281</b> | <b>33.386</b> | <b>.0454</b> |
| Stddev | .38046        | 14.263         | .93090         | .493          | .04017        | .00402        | 1.215         | .0290        |
| %RSD   | 68.417        | 261.28         | 154.58         | 4.2335        | 20.797        | 143.06        | 3.6380        | 63.82        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |                |                |               |               |               |                |               |
|--------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Co2286        | Cr2677         | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790         | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)       | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3600)      |
| Units  | ppb           | ppb            | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>.09355</b> | <b>-.12070</b> | <b>-.39795</b> | <b>2.1974</b> | <b>21.655</b> | <b>.49185</b> | <b>-5.8691</b> | <b>.09460</b> |
| Stddev | .26732        | .32952         | .28397         | .5484         | 10.691        | 1.0984        | 13.823         | .00845        |
| %RSD   | 285.75        | 273.00         | 71.359         | 24.958        | 49.368        | 223.32        | 235.53         | 8.9343        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.63922</b> | <b>191.63</b> | <b>.41763</b> | <b>-.36813</b> | <b>.9308</b> | <b>.86395</b> | <b>.60436</b> | <b>1.4438</b> |
| Stddev | .22549        | 8.06          | .13533        | .44780         | 1.186        | .69103        | .37715        | .2005         |
| %RSD   | 35.276        | 4.2078        | 32.403        | 121.64         | 127.5        | 79.985        | 62.404        | 13.885        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 19:45:31      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.01540</b> | <b>-1.0849</b> | <b>.65407</b> | <b>21.911</b> | <b>.91074</b> |
| Stddev | .47549        | 1.3363         | .04657        | 7.415         | .91236        |
| %RSD   | 3088.0        | 123.17         | 7.1195        | 33.842        | 100.18        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6665.8</b> | <b>4683.5</b> | <b>57531.</b> | <b>9691.5</b> |
| Stddev    | .5            | 3.0           | 110.          | 25.0          |
| %RSD      | .00813        | .06308        | .19057        | .25818        |

Sample Name: 240-18983-a-1-b      Acquired: 1/3/2013 19:49:29      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |                |               |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-.60612</b> | <b>37.154</b> | <b>18.558</b> | <b>4157.9</b> | <b>70.636</b> | <b>-.08216</b> |
| Stddev | .12531         | 10.300        | 1.040         | 5.4           | .275          | .05559         |
| %RSD   | 20.674         | 27.722        | 5.6018        | .12967        | .38968        | 67.668         |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |              |               |               |               |               |
|--------|---------------|--------------|---------------|---------------|---------------|---------------|
| Elem   | Ca3179        | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        |
| IS Ref | (Y_3710)      | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      |
| Units  | ppb           | ppb          | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>55470.</b> | <b>.3157</b> | <b>10.166</b> | <b>26.992</b> | <b>298.29</b> | <b>5764.5</b> |
| Stddev | 87.           | .1140        | .151          | .230          | 1.07          | 13.1          |
| %RSD   | .15684        | 36.12        | 1.4844        | .85070        | .35813        | .22752        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |                |               |               |               |               |                  |
|--------|----------------|---------------|---------------|---------------|---------------|------------------|
| Elem   | K_7664         | Li6707        | Mg2790        | Mn2576        | Mo2020        | Na5895           |
| IS Ref | (Y_3710)       | (Y_3710)      | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)         |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb              |
| Avg    | <b>184580.</b> | <b>18.280</b> | <b>98032.</b> | <b>154.39</b> | <b>1.8494</b> | <b>F 508750.</b> |
| Stddev | 263.           | .623          | 86.           | .18           | .0305         | 2576.            |
| %RSD   | .14234         | 3.4081        | .08782        | .11922        | 1.6477        | .50628           |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit |          |          |          |          |          | 500000.  |
| Low Limit  |          |          |          |          |          | -500000. |

Sample Name: 240-18983-a-1-b      Acquired: 1/3/2013 19:49:29      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |              |               |               |               |
|--------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>104.75</b> | <b>11.874</b> | <b>1.821</b> | <b>2.1370</b> | <b>4.4005</b> | <b>4.8109</b> |
| Stddev | .40           | 1.495         | 2.073        | .8284         | .3547         | .2139         |
| %RSD   | .38159        | 12.587        | 113.8        | 38.765        | 8.0606        | 4.4451        |

|            |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Ti1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>3.1152</b> | <b>14.438</b> | <b>41.002</b> | <b>14226.</b> | <b>412.58</b> |
| Stddev | .7639         | 1.763         | .240          | 24.           | 1.17          |
| %RSD   | 24.522        | 12.211        | .58616        | .16760        | .28273        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5715.3</b> | <b>4364.5</b> | <b>52286.</b> | <b>9668.5</b> |
| Stddev    | .2            | 1.2           | 46.           | 32.5          |
| %RSD      | .00393        | .02767        | .08858        | .33642        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 86.466%  | 92.803%  | 90.055%  | 97.856%  |
| Range   |          |          |          |          |

Sample Name: 240-19266-e-1-b      Acquired: 1/3/2013 19:53:27      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-.30993</b> | <b>35.065</b> | <b>2.0781</b> | <b>50.929</b> | <b>20.013</b> | <b>-.10475</b> | <b>26440.</b> | <b>-.0253</b> |
| Stddev | .28932         | 3.809         | 1.1855        | .330          | .270          | .04089         | 33.           | .1000         |
| %RSD   | 93.351         | 10.863        | 57.047        | .64858        | 1.3497        | 39.039         | .12624        | 394.9         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |                |               |               |               |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.02768</b> | <b>.45034</b> | <b>-.02132</b> | <b>1466.1</b> | <b>954.66</b> | <b>1.4899</b> | <b>3227.4</b> | <b>15.534</b> |
| Stddev | .06713         | .23578        | .55541         | 2.6           | 31.03         | .4948         | 11.9          | .027          |
| %RSD   | 242.52         | 52.355        | 2605.1         | .17858        | 3.2501        | 33.213        | .36916        | .17408        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |                |               |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|----------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899         | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb            | ppb           |
| Avg    | <b>.39392</b> | <b>7642.4</b> | <b>.77449</b> | <b>-.84825</b> | <b>2.035</b> | <b>.22289</b> | <b>-.23192</b> | <b>1.0956</b> |
| Stddev | .12430        | 8.0           | .16967        | 1.3703         | .883         | 1.1822        | .28208         | .2223         |
| %RSD   | 31.554        | .10435        | 21.908        | 161.54         | 43.39        | 530.39        | 121.63         | 20.286        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: 240-19266-e-1-b      Acquired: 1/3/2013 19:53:27      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.95894</b> | <b>1.1327</b> | <b>3.1417</b> | <b>163.65</b> | <b>52.923</b> |
| Stddev | .42053        | 1.2560        | .0171         | 1.88          | 2.887         |
| %RSD   | 43.854        | 110.89        | .54381        | 1.1501        | 5.4551        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6625.7</b> | <b>4709.0</b> | <b>57720.</b> | <b>9962.3</b> |
| Stddev    | 12.9          | 6.7           | 149.          | 44.4          |
| %RSD      | .19467        | .14239        | .25814        | .44544        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 100.24%  | 100.13%  | 99.414%  | 100.83%  |
| Range   |          |          |          |          |

Sample Name: 240-19320-d-1-a      Acquired: 1/3/2013 19:57:22      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

*High Int Std*

✓

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .00735   | 13764.   | .06926   | 112.00   | 14.308   | 3.9959   | 240850.  |
| Stddev | .09215   | 15.      | .81493   | .66      | .084     | .0530    | 2945.    |
| %RSD   | 1254.0   | .10616   | 1176.6   | .58582   | .58492   | 1.3267   | 1.2226   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1.781    | 362.52   | 4.2036   | 11.618   | 114.73   | 4596.9   | 315.92   |
| Stddev | .098     | .95      | .2271    | .479     | 1.28     | 18.8     | .16      |
| %RSD   | 5.507    | .26129   | 5.4022   | 4.1254   | 1.1115   | .40898   | .05187   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mg2790   | Mn2576   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   |
| IS Ref | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 121100.  | F 23189. | -1.2580  | 6854.2   | 814.68   | 2.2718   | -1.760   |
| Stddev | 193.     | 293.     | .1474    | 5.1      | 1.61     | .4953    | 1.090    |
| %RSD   | .15933   | 1.2635   | 11.719   | .07436   | .19773   | 21.803   | 61.91    |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          | 15000.   |          |          |          |          |          |
| Low Limit  |          | -500000. |          |          |          |          |          |

Sample Name: 240-19320-d-1-a      Acquired: 1/3/2013 19:57:22      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7 :  
 Comment:

| Elem   | Se1960<br>(Y_2243) | Sn1899<br>(In2306) | Ti3372<br>(Y_3600) | Ti1908<br>(In2306) | V_2908<br>(Y_3710) | Zn2062<br>(In2306) | Si2516<br>(Y_3710) |
|--------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Units  | ppb                | ppb                | ppb                | ppb                | ppb                | ppb                | ppb                |
| Avg    | 5.8787             | .68086             | 6.9883             | 21.252             | .14429             | 933.29             | 15495.             |
| Stddev | .8861              | .20436             | .1043              | .241               | 1.6698             | 2.46               | 443.               |
| %RSD   | 15.073             | 30.014             | 1.4929             | 1.1361             | 1157.2             | .26386             | 2.8580             |

| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|------------|----------|----------|----------|----------|----------|----------|----------|
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

| Elem   | Sr3464<br>(Y_3710) |
|--------|--------------------|
| Units  | ppb                |
| Avg    | 655.19             |
| Stddev | 2.80               |
| %RSD   | .42787             |

| Check ?    | Chk Pass |
|------------|----------|
| High Limit |          |
| Low Limit  |          |

| Int. Std. | In2306 | Y_2243   | Y_3600 | Y_3710   |
|-----------|--------|----------|--------|----------|
| Units     | Cts/S  | Cts/S    | Cts/S  | Cts/S    |
| Avg       | 5999.2 | W 6156.9 | 75256. | W 13338. |
| Stddev    | 12.2   | 17.2     | 136.   | 52.      |
| %RSD      | .20410 | .27915   | .18033 | .39300   |

| Check ? | Chk Pass | Chk Warn | Chk Pass | Chk Warn |
|---------|----------|----------|----------|----------|
| Value   | 90.762%  | 130.91%  | 129.62%  | 134.99%  |
| Range   |          | 30.500%  |          | 30.500%  |

Sample Name: 240-19347-a-1-b      Acquired: 1/3/2013 20:01:27      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .39517   | 978.18   | 5.8880   | 78.948   | 39.321   | -.03834  | 27703.   |
| Stddev | .37818   | 5.80     | .8884    | .375     | .381     | .05071   | 82.      |
| %RSD   | 95.701   | .59318   | 15.089   | .47453   | .96885   | 132.28   | .29723   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Cd2288   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   |
| IS Ref | (Y_2243) | (ln2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .2155    | .92078   | 5.3706   | 104.99   | 1592.9   | 15344.   | 5.1855   |
| Stddev | .0719    | .30830   | .2195    | .73      | 5.5      | 29.      | 1.3449   |
| %RSD   | 33.37    | 33.483   | 4.0862   | .69258   | .34477   | .19157   | 25.936   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mg2790   | Mn2576   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   |
| IS Ref | (Y_3710) | (Y_3600) | (Y_2243) | (Y_3710) | (ln2306) | (Y_2243) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 6016.3   | 54.827   | 7.6834   | 425360.  | 6.5682   | 3.1039   | -.1336   |
| Stddev | 18.7     | .164     | .1533    | 4468.    | .2613    | .6458    | 1.041    |
| %RSD   | .31145   | .29824   | 1.9948   | 1.0503   | 3.9788   | 20.806   | 779.0    |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19347-a-1-b      Acquired: 1/3/2013 20:01:27      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.94061</b> | <b>8.7484</b> | <b>11.879</b> | <b>1.4851</b> | <b>1.3082</b> | <b>377.76</b> | <b>9331.4</b> |
| Stddev | 1.1582        | .2673         | .144          | .3994         | 1.7988        | .10           | 25.3          |
| %RSD   | 123.14        | 3.0560        | 1.2153        | 26.895        | 137.50        | .02735        | .27102        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>44.744</b> |
| Stddev | 1.867         |
| %RSD   | 4.1726        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5926.7</b> | <b>4452.3</b> | <b>53112.</b> | <b>9697.2</b> |
| Stddev    | 2.9           | 8.2           | 170.          | 40.7          |
| %RSD      | .04955        | .18474        | .32064        | .41944        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 89.666%  | 94.669%  | 91.477%  | 98.146%  |
| Range   |          |          |          |          |

Sample Name: 240-19349-a-1-b      Acquired: 1/3/2013 20:05:29      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |               |               |               |               |               |                |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>.42628</b> | <b>1515.8</b> | <b>3.5527</b> | <b>143.62</b> | <b>53.142</b> | <b>-.07337</b> | <b>15563.</b> |
| Stddev | .29605        | 11.4          | .6037         | .68           | .041          | .05112         | 12.           |
| %RSD   | 69.449        | .75024        | 16.991        | .47039        | .07686        | 69.682         | .07964        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.6231</b> | <b>1.2477</b> | <b>9.0505</b> | <b>282.31</b> | <b>7108.6</b> | <b>10347.</b> | <b>6.7293</b> |
| Stddev | .0734        | .0274         | .3190         | 1.02          | 7.6           | 13.           | .9964         |
| %RSD   | 11.78        | 2.1948        | 3.5252        | .36159        | .10708        | .12105        | 14.808        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |              |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>5662.3</b> | <b>93.968</b> | <b>19.489</b> | <b>414920.</b> | <b>13.548</b> | <b>6.9795</b> | <b>1.093</b> |
| Stddev | 25.5          | .099          | .080          | 4772.          | .052          | .8609         | 1.062        |
| %RSD   | .45056        | .10532        | .41283        | 1.1500         | .38251        | 12.334        | 97.14        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19349-a-1-b      Acquired: 1/3/2013 20:05:29      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>23.350</b> | <b>31.943</b> | <b>35.829</b> | <b>2.3602</b> | <b>3.0270</b> | <b>1159.2</b> | <b>7601.7</b> |
| Stddev | .734          | .292          | .183          | .5898         | 1.3583        | 1.0           | 12.5          |
| %RSD   | 3.1414        | .91319        | .51105        | 24.988        | 44.873        | .08307        | .16403        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>30.160</b> |
| Stddev | 4.411         |
| %RSD   | 14.624        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6012.8</b> | <b>4515.7</b> | <b>54062.</b> | <b>9846.5</b> |
| Stddev    | 11.6          | 6.7           | 63.           | 50.7          |
| %RSD      | .19275        | .14738        | .11652        | .51516        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 90.967%  | 96.017%  | 93.115%  | 99.658%  |
| Range   |          |          |          |          |

Sample Name: 240-19356-a-2-b      Acquired: 1/3/2013 20:09:28      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>-.05811</b> | <b>45.118</b> | <b>1.5344</b> | <b>18.758</b> | <b>3.9273</b> | <b>-.07973</b> | <b>8946.6</b> |
| Stddev | .19467         | 1.538         | .8083         | .254          | .2813         | .02412         | 4.3           |
| %RSD   | 334.97         | 3.4077        | 52.679        | 1.3523        | 7.1621        | 30.252         | .04751        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.0775</b> | <b>.19857</b> | <b>.51414</b> | <b>9.0058</b> | <b>172.85</b> | <b>1869.9</b> | <b>1.0415</b> |
| Stddev | .0726        | .22381        | .36568        | .5054         | 1.20          | 24.9          | 1.1030        |
| %RSD   | 93.70        | 112.71        | 71.126        | 5.6116        | .69647        | 1.3341        | 105.90        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |              |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>3342.8</b> | <b>6.1142</b> | <b>.66021</b> | <b>126030.</b> | <b>1.8818</b> | <b>.09267</b> | <b>1.031</b> |
| Stddev | 12.2          | .0446         | .15888        | 688.           | .2284         | .34092        | 1.479        |
| %RSD   | .36502        | .72967        | 24.065        | .54558         | 12.135        | 367.90        | 143.5        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |



Sample Name: 240-19356-a-2-b      Acquired: 1/3/2013 20:09:28      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
 Comment:

|        |               |               |               |               |                |               |               |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908         | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.51783</b> | <b>.15530</b> | <b>.71322</b> | <b>1.7989</b> | <b>-.29118</b> | <b>11.586</b> | <b>1607.3</b> |
| Stddev | 1.8863        | .04521        | .10513        | .6455         | .58189         | .016          | 7.0           |
| %RSD   | 364.27        | 29.114        | 14.741        | 35.886        | 199.84         | .14064        | .43445        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>30.038</b> |
| Stddev | 3.148         |
| %RSD   | 10.479        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6334.1</b> | <b>4588.4</b> | <b>55294.</b> | <b>9598.0</b> |
| Stddev    | 14.8          | 10.2          | 95.           | 14.2          |
| %RSD      | .23419        | .22227        | .17262        | .14809        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 95.829%  | 97.563%  | 95.237%  | 97.143%  |
| Range   |          |          |          |          |

Sample Name: mb 240-70855/1-a      Acquired: 1/3/2013 20:13:34      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -.11525  | .43203   | .06128   | 3.7130   | 1.0801   | -.06325  | 490.11   | .0217    |
| Stddev | .55328   | 3.5377   | .30651   | .0512    | .1418    | .06208   | 1.43     | .0491    |
| %RSD   | 480.05   | 818.87   | 500.17   | 1.3789   | 13.127   | 98.156   | .29112   | 226.3    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .10285   | .01796   | .46913   | 9.7896   | 62.089   | .94363   | 75.627   | 1.3257   |
| Stddev | .06758   | .12606   | .50830   | .4526    | 20.807   | .72289   | 9.782    | .0220    |
| %RSD   | 65.713   | 701.80   | 108.35   | 4.6232   | 33.511   | 76.607   | 12.934   | 1.6601   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .13822   | 360.20   | .39551   | -.50466  | 1.651    | .40006   | -.06517  | .00758   |
| Stddev | .10358   | 2.97     | .16306   | .88329   | .937     | .95756   | .76363   | .12331   |
| %RSD   | 74.943   | .82493   | 41.228   | 175.03   | 56.73    | 239.35   | 1171.8   | 1626.7   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: mb 240-70855/1-a      Acquired: 1/3/2013 20:13:34      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.5730</b> | <b>.97322</b> | <b>3.9955</b> | <b>14.284</b> | <b>3.6734</b> |
| Stddev | .2176         | 2.1112        | .0821         | 1.300         | 2.4514        |
| %RSD   | 13.830        | 216.93        | 2.0553        | 9.0996        | 66.732        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6725.6</b> | <b>4761.6</b> | <b>58335.</b> | <b>9972.2</b> |
| Stddev    | 4.1           | 3.5           | 106.          | 41.5          |
| %RSD      | .06074        | .07257        | .18170        | .41605        |

Sample Name: lcs 240-70855/2-a      Acquired: 1/3/2013 20:17:33      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 49.014   | 1888.0   | 1931.1   | 979.72   | 1885.3   | 47.123   | 48195.   | 48.76    |
| Stddev | .138     | 6.2      | 7.5      | 1.52     | 2.1      | .136     | 67.      | .19      |
| %RSD   | .28171   | .33001   | .39011   | .15485   | .11068   | .28893   | .13897   | .3796    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 474.89   | 192.23   | 241.91   | 973.37   | 45634.   | 928.78   | 48192.   | 497.27   |
| Stddev | .88      | .55      | 1.20     | .87      | 57.      | 1.84     | 87.      | 2.01     |
| %RSD   | .18464   | .28715   | .49468   | .08957   | .12514   | .19845   | .18015   | .40408   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 958.93   | 46381.   | 478.35   | 470.98   | 478.7    | 1944.6   | 1855.5   | 992.45   |
| Stddev | 3.21     | 29.      | 1.28     | 2.06     | 2.9      | 2.6      | 2.8      | 3.60     |
| %RSD   | .33474   | .06173   | .26702   | .43709   | .5977    | .13474   | .15112   | .36275   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: lcs 240-70855/2-a      Acquired: 1/3/2013 20:17:33      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1927.2</b> | <b>476.64</b> | <b>482.33</b> | <b>999.36</b> | <b>935.53</b> |
| Stddev | 4.7           | 3.11          | 1.36          | 13.71         | 6.71          |
| %RSD   | .24432        | .65256        | .28287        | 1.3715        | .71746        |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6207.4</b> | <b>4553.5</b> | <b>55161.</b> | <b>9727.6</b> |
| Stddev    | 14.7          | 12.6          | 43.           | 27.2          |
| %RSD      | .23652        | .27697        | .07760        | .27979        |

Sample Name: 240-19285-g-1-b      Acquired: 1/3/2013 20:21:11      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.22707</b> | <b>99.750</b> | <b>4.1142</b> | <b>1335.4</b> | <b>182.06</b> | <b>-.31471</b> | <b>151300.</b> |
| Stddev | .13652         | 17.688        | .5558         | 1.8           | .12           | .04210         | 571.           |
| %RSD   | 60.120         | 17.733        | 13.509        | .13839        | .06434        | 13.376         | .37770         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.3128</b> | <b>3.7219</b> | <b>6.3835</b> | <b>2.1981</b> | <b>16018.</b> | <b>55252.</b> | <b>20.149</b> |
| Stddev | .1015        | .1243         | .1373         | .3605         | 31.           | 104.          | .625          |
| %RSD   | 32.46        | 3.3404        | 2.1515        | 16.402        | .19109        | .18894        | 3.0997        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |              |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>62913.</b> | <b>1062.6</b> | <b>.59421</b> | <b>244590.</b> | <b>17.498</b> | <b>2.2205</b> | <b>2.058</b> |
| Stddev | 119.          | 2.7           | .05052        | 839.           | .592          | 1.3257        | .496         |
| %RSD   | .18987        | .25567        | 8.5026        | .34321         | 3.3842        | 59.705        | 24.12        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19285-g-1-b      Acquired: 1/3/2013 20:21:11      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |                |               |               |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960         | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)       | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.02875</b> | <b>1.4833</b> | <b>2.0375</b> | <b>3.2179</b> | <b>.94545</b> | <b>9.3191</b> | <b>10856.</b> |
| Stddev | 1.0865         | .5672         | .0898         | .9819         | .69069        | .0487         | 23.           |
| %RSD   | 3779.7         | 38.240        | 4.4093        | 30.513        | 73.054        | .52274        | .21332        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>697.91</b> |
| Stddev | 3.02          |
| %RSD   | .43254        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5892.1</b> | <b>4398.7</b> | <b>53122.</b> | <b>9646.7</b> |
| Stddev    | 2.5           | 4.6           | 67.           | 30.7          |
| %RSD      | .04269        | .10366        | .12648        | .31792        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 89.142%  | 93.530%  | 91.495%  | 97.636%  |
| Range   |          |          |          |          |

Sample Name: SD 240-19285-g-1b@5      Acquired: 1/3/2013 20:25:19      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |                |               |               |                |               |              |
|--------|----------------|---------------|----------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890         | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.62138</b> | <b>22.238</b> | <b>-.72888</b> | <b>268.81</b> | <b>37.559</b> | <b>-.08324</b> | <b>31918.</b> | <b>.0785</b> |
| Stddev | .67236         | 5.602         | 2.1280         | .54           | .043          | .02869         | 15.           | .0786        |
| %RSD   | 108.20         | 25.193        | 291.96         | .19989        | .11443        | 34.465         | .04660        | 100.1        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.80969</b> | <b>1.5469</b> | <b>.07444</b> | <b>3349.3</b> | <b>10921.</b> | <b>4.5087</b> | <b>13188.</b> | <b>220.53</b> |
| Stddev | .13027        | .1722         | .27737        | 6.5           | 23.           | .8174         | 25.           | .57           |
| %RSD   | 16.089        | 11.133        | 372.63        | .19267        | .21161        | 18.129        | .18757        | .25811        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.19804</b> | <b>52051.</b> | <b>4.3442</b> | <b>-.17352</b> | <b>.7583</b> | <b>.81859</b> | <b>.94632</b> | <b>.64625</b> |
| Stddev | .06974        | 11.           | .3745         | .65288         | .2752        | 1.4262        | .36252        | .13306        |
| %RSD   | 35.214        | .02208        | 8.6199        | 376.25         | 36.30        | 174.22        | 38.308        | 20.589        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: SD 240-19285-g-1b@5      Acquired: 1/3/2013 20:25:19      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.39599</b> | <b>-1.4078</b> | <b>2.9149</b> | <b>2234.6</b> | <b>147.98</b> |
| Stddev | .33842        | .8853          | .0729         | 9.0           | 3.61          |
| %RSD   | 85.462        | 62.886         | 2.5019        | .40300        | 2.4380        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6350.9</b> | <b>4577.1</b> | <b>55530.</b> | <b>9677.2</b> |
| Stddev    | 7.1           | 1.7           | 211.          | 31.5          |
| %RSD      | .11216        | .03725        | .38026        | .32520        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 96.084%  | 97.324%  | 95.642%  | 97.944%  |
| Range   |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 20:29:14      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1015.5   | 24983.   | 518.09   | 5104.7   | 1999.3   | 2061.8   | 51175.   | 511.5    |
| Stddev | 2.0      | 36.      | 2.34     | 6.1      | 2.3      | 3.7      | 79.      | 1.2      |
| %RSD   | .20153   | .14536   | .45242   | .12008   | .11746   | .18078   | .15503   | .2443    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2012.6   | 2014.7   | 2024.1   | 25670.   | 49027.   | 5075.5   | 51266.   | 2058.5   |
| Stddev | 1.9      | .8       | 1.9      | 33.      | 35.      | 10.7     | 153.     | 1.7      |
| %RSD   | .09643   | .03986   | .09398   | .12919   | .07201   | .21120   | .29779   | .08282   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2063.7   | 49242.   | 2008.5   | 501.61   | 504.2    | 502.85   | 5004.0   | 5228.9   |
| Stddev | 4.5      | 100.     | 3.2      | 3.63     | 2.1      | .65      | 12.2     | 38.3     |
| %RSD   | .21734   | .20208   | .15839   | .72415   | .4171    | .12899   | .24472   | .73266   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 20:29:14      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1035.7   | 2026.1   | 2042.9   | 5405.2   | 5082.8   |
| Stddev | 2.6      | 1.0      | 3.1      | 81.4     | 17.5     |
| %RSD   | .24932   | .04920   | .15294   | 1.5060   | .34521   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6095.4 | 4522.6 | 54932. | 9520.5 |
| Stddev    | 10.4   | 9.3    | 46.    | 20.6   |
| %RSD      | .17112 | .20645 | .08303 | .21672 |

Sample Name: CCB      Acquired: 1/3/2013 20:33:00      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |                |               |               |               |               |              |
|--------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280         | Al3082         | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb            | ppb            | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>-.33890</b> | <b>-.03830</b> | <b>-.38451</b> | <b>8.3012</b> | <b>.11582</b> | <b>.03349</b> | <b>33.409</b> | <b>.0685</b> |
| Stddev | .30342         | 10.111         | .27841         | .7271         | .16212        | .02670        | 1.167         | .0859        |
| %RSD   | 89.531         | 26403.         | 72.406         | 8.7593        | 139.98        | 79.719        | 3.4917        | 125.5        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |                |               |               |               |                |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790         | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3600)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>-.05761</b> | <b>.19473</b> | <b>-.64331</b> | <b>2.8946</b> | <b>27.063</b> | <b>.16662</b> | <b>-9.8770</b> | <b>.16181</b> |
| Stddev | .17121         | .05185        | .58758         | 1.4005        | 32.396        | 1.0344        | 6.1064         | .00347        |
| %RSD   | 297.19         | 26.624        | 91.336         | 48.382        | 119.71        | 620.80        | 61.824         | 2.1462        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |                |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>.87115</b> | <b>146.20</b> | <b>.32174</b> | <b>-.39024</b> | <b>1.722</b> | <b>-.49072</b> | <b>.67370</b> | <b>1.5543</b> |
| Stddev | .17848        | .79           | .11710        | .75130         | .417         | .58283         | .11069        | .0418         |
| %RSD   | 20.488        | .53838        | 36.396        | 192.52         | 24.20        | 118.77         | 16.430        | 2.6869        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 20:33:00      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |                |               |               |                |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem   | Tl1908         | V_2908         | Zn2062        | Si2516        | Sr3464         |
| IS Ref | (In2306)       | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb            |
| Avg    | <b>-.28028</b> | <b>-1.7214</b> | <b>.70641</b> | <b>18.712</b> | <b>-2.0160</b> |
| Stddev | .27354         | .8882          | .05152        | 2.139         | 2.3966         |
| %RSD   | 97.597         | 51.596         | 7.2930        | 11.433        | 118.88         |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6645.4</b> | <b>4676.5</b> | <b>57442.</b> | <b>9629.2</b> |
| Stddev    | 1.8           | 3.9           | 91.           | 45.0          |
| %RSD      | .02653        | .08301        | .15826        | .46704        |

Sample Name: 240-19285-g-1-c ms      Acquired: 1/3/2013 20:36:59      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |               |               |               |               |               |               |                |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179         |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>54.769</b> | <b>2329.7</b> | <b>2177.0</b> | <b>2509.2</b> | <b>2279.7</b> | <b>51.440</b> | <b>211090.</b> |
| Stddev | .222          | 4.9           | 5.2           | 1.7           | 2.6           | .071          | 1600.          |
| %RSD   | .40600        | .21145        | .23845        | .06609        | .11404        | .13869        | .75796         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |                |               |
|--------|--------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664         | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>54.55</b> | <b>533.76</b> | <b>214.79</b> | <b>273.14</b> | <b>18117.</b> | <b>110550.</b> | <b>1081.0</b> |
| Stddev | .13          | .84           | .63           | 1.50          | 43.           | 266.           | 2.1           |
| %RSD   | .2362        | .15828        | .29500        | .54791        | .23715        | .24062         | .19604        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |                |               |               |                |               |               |              |
|--------|----------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790         | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)       | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>119690.</b> | <b>1662.0</b> | <b>1063.6</b> | <b>310990.</b> | <b>547.99</b> | <b>506.17</b> | <b>532.4</b> |
| Stddev | 307.           | 4.9           | .9            | 540.           | .76           | .69           | .9           |
| %RSD   | .25616         | .29222        | .08477        | .17378         | .13873        | .13706        | .1643        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19285-g-1-c.ms      Acquired: 1/3/2013 20:36:59      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>2139.6</b> | <b>2070.9</b> | <b>1092.5</b> | <b>2095.5</b> | <b>527.75</b> | <b>535.98</b> | <b>12560.</b> |
| Stddev | 4.6           | 2.4           | 3.0           | 3.5           | 4.63          | .34           | 19.           |
| %RSD   | .21540        | .11802        | .27593        | .16521        | .87798        | .06414        | .15177        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>1755.9</b> |
| Stddev | 7.2           |
| %RSD   | .40928        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>5684.7</b> | <b>4317.5</b> | <b>52200.</b> | <b>9586.9</b> |
| Stddev    | 4.0           | 2.4           | 151.          | 15.9          |
| %RSD      | .07111        | .05559        | .28981        | .16582        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 86.004%  | 91.803%  | 89.908%  | 97.031%  |
| Range   |          |          |          |          |

Sample Name: 240-19285-g-1-d msd      Acquired: 1/3/2013 20:40:54      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |               |               |               |               |               |               |                |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179         |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>54.665</b> | <b>2336.6</b> | <b>2184.1</b> | <b>2535.4</b> | <b>2279.2</b> | <b>51.070</b> | <b>213190.</b> |
| Stddev | .253          | 13.5          | 1.1           | 3.1           | 1.5           | .099          | 1646.          |
| %RSD   | .46273        | .57785        | .05088        | .12282        | .06588        | .19469        | .77204         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |                |               |
|--------|--------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664         | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>54.57</b> | <b>532.71</b> | <b>213.25</b> | <b>271.07</b> | <b>18408.</b> | <b>112240.</b> | <b>1078.3</b> |
| Stddev | .06          | .14           | .36           | .22           | 17.           | 119.           | 2.8           |
| %RSD   | .1172        | .02584        | .17031        | .07948        | .09026        | .10581         | .26157        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |                |               |               |                |               |               |              |
|--------|----------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790         | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)       | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>120540.</b> | <b>1669.7</b> | <b>1061.1</b> | <b>313110.</b> | <b>546.76</b> | <b>504.65</b> | <b>538.2</b> |
| Stddev | 111.           | 2.1           | 2.0           | 1090.          | .71           | 2.05          | 1.7          |
| %RSD   | .09192         | .12858        | .18861        | .34797         | .12900        | .40680        | .3184        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |



Sample Name: 240-19285-g-1-d msd      Acquired: 1/3/2013 20:40:54      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Se1960   | Sn1899   | Ti3372   | Ti1908   | V_2908   | Zn2062   | Si2516   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (In2306) | (Y_3710) | (In2306) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2143.2   | 2057.1   | 1081.3   | 2087.7   | 524.98   | 534.13   | 12785.   |
| Stddev | 2.8      | 2.7      | 1.2      | 4.4      | 2.80     | .29      | 35.      |
| %RSD   | .13098   | .13254   | .10776   | .20992   | .53307   | .05498   | .27569   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |
|--------|----------|
| Elem   | Sr3464   |
| IS Ref | (Y_3710) |
| Units  | ppb      |
| Avg    | 1759.6   |
| Stddev | 8.0      |
| %RSD   | .45636   |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5698.4 | 4320.5 | 52670. | 9607.4 |
| Stddev    | 9.7    | 10.9   | 59.    | 11.5   |
| %RSD      | .17064 | .25331 | .11144 | .12005 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 86.211%  | 91.867%  | 90.718%  | 97.238%  |
| Range   |          |          |          |          |

Sample Name: 240-19353-a-8-a      Acquired: 1/3/2013 20:44:49      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>-.43134</b> | <b>1388.6</b> | <b>.78411</b> | <b>1126.2</b> | <b>25.452</b> | <b>-.09746</b> | <b>40229.</b> |
| Stddev | .31515         | 6.6           | 1.5254        | 2.8           | .177          | .01280         | 35.           |
| %RSD   | 73.064         | .47667        | 194.54        | .24914        | .69522        | 13.137         | .08780        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.1588</b> | <b>1.1904</b> | <b>.94676</b> | <b>25.789</b> | <b>1078.4</b> | <b>8361.4</b> | <b>2.9898</b> |
| Stddev | .0583        | .3146         | .25821        | .271          | 2.0           | 38.6          | .9470         |
| %RSD   | 36.74        | 26.431        | 27.273        | 1.0497        | .18703        | .46159        | 31.676        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |              |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>10945.</b> | <b>124.24</b> | <b>51.896</b> | <b>147170.</b> | <b>4.2021</b> | <b>2.2800</b> | <b>4.759</b> |
| Stddev | 16.           | .27           | .137          | 1851.          | .1458         | .8056         | 2.283        |
| %RSD   | .14219        | .22010        | .26374        | 1.2577         | 3.4703        | 35.332        | 47.96        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19353-a-8-a      Acquired: 1/3/2013 20:44:49      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      ;  
Comment:

|        |                |               |               |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960         | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)       | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.36310</b> | <b>3.1919</b> | <b>1.5390</b> | <b>1.9961</b> | <b>.31416</b> | <b>75.515</b> | <b>964.76</b> |
| Stddev | 1.0495         | .0303         | .0332         | .5855         | 1.0222        | .135          | 10.31         |
| %RSD   | 289.03         | .94906        | 2.1570        | 29.334        | 325.38        | .17819        | 1.0690        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>585.44</b> |
| Stddev | 5.53          |
| %RSD   | .94505        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6249.4</b> | <b>4597.9</b> | <b>55657.</b> | <b>9816.9</b> |
| Stddev    | 8.7           | 2.8           | 66.           | 27.4          |
| %RSD      | .13847        | .06087        | .11778        | .27921        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 94.548%  | 97.766%  | 95.861%  | 99.358%  |
| Range   |          |          |          |          |

Sample Name: 240-19353-a-9-a      Acquired: 1/3/2013 20:48:47      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>-.48570</b> | <b>1859.4</b> | <b>1.8842</b> | <b>1192.4</b> | <b>27.223</b> | <b>-.12157</b> | <b>41498.</b> |
| Stddev | .14452         | 10.2          | 1.2474        | .9            | .274          | .06110         | 49.           |
| %RSD   | 29.755         | .54841        | 66.203        | .07162        | 1.0064        | 50.259         | .11890        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.2892</b> | <b>1.0383</b> | <b>1.2515</b> | <b>26.242</b> | <b>1389.0</b> | <b>8811.3</b> | <b>3.3113</b> |
| Stddev | .0698        | .2297         | .1691         | .463          | 2.7           | 29.0          | .9440         |
| %RSD   | 24.14        | 22.119        | 13.513        | 1.7634        | .19478        | .32887        | 28.509        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |              |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>11312.</b> | <b>138.19</b> | <b>54.567</b> | <b>158040.</b> | <b>4.3349</b> | <b>3.5316</b> | <b>3.841</b> |
| Stddev | 28.           | .07           | .112          | 480.           | .4208         | .2928         | .929         |
| %RSD   | .24635        | .05262        | .20547        | .30359         | 9.7070        | 8.2915        | 24.18        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19353-a-9-a      Acquired: 1/3/2013 20:48:47      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |               |               |               |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960         | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)       | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-1.1150</b> | <b>5.2467</b> | <b>1.6373</b> | <b>1.4310</b> | <b>1.3602</b> | <b>88.503</b> | <b>1038.0</b> |
| Stddev | .9102          | .2624         | .0821         | .2015         | 1.0856        | .180          | 4.5           |
| %RSD   | 81.629         | 5.0004        | 5.0149        | 14.084        | 79.814        | .20307        | .43636        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>618.88</b> |
| Stddev | 1.95          |
| %RSD   | .31493        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6226.5</b> | <b>4580.1</b> | <b>55234.</b> | <b>9846.9</b> |
| Stddev    | 3.9           | 3.2           | 159.          | 25.9          |
| %RSD      | .06192        | .07019        | .28851        | .26305        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 94.201%  | 97.386%  | 95.133%  | 99.661%  |
| Range   |          |          |          |          |

Sample Name: 240-19353-a-10-a      Acquired: 1/3/2013 20:52:45      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>-.54238</b> | <b>939.37</b> | <b>1.6250</b> | <b>1407.3</b> | <b>29.107</b> | <b>-.08450</b> | <b>47043.</b> |
| Stddev | .22784         | 6.13          | .8076         | .8            | .071          | .01360         | 41.           |
| %RSD   | 42.008         | .65291        | 49.696        | .05813        | .24533        | 16.091         | .08804        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |               |               |               |               |
|--------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.2867</b> | <b>1.3206</b> | <b>1.0432</b> | <b>21.790</b> | <b>739.94</b> | <b>10506.</b> | <b>4.6177</b> |
| Stddev | .1507        | .0691         | .0388         | .499          | 2.63          | 17.           | 1.6406        |
| %RSD   | 52.55        | 5.2310        | 3.7200        | 2.2888        | .35562        | .16325        | 35.529        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |              |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203        | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb          |
| Avg    | <b>12507.</b> | <b>159.75</b> | <b>65.494</b> | <b>182180.</b> | <b>5.3178</b> | <b>2.1445</b> | <b>2.839</b> |
| Stddev | 46.           | .70           | .266          | 1951.          | .2275         | .7143         | .369         |
| %RSD   | .36683        | .44102        | .40557        | 1.0711         | 4.2775        | 33.307        | 13.00        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 240-19353-a-10-a      Acquired: 1/3/2013 20:52:45      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |                |               |               |
|--------|----------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Se1960         | Sn1899        | Ti3372        | Ti1908        | V_2908         | Zn2062        | Si2516        |
| IS Ref | (Y_2243)       | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-.63886</b> | <b>1.5554</b> | <b>1.1604</b> | <b>2.4507</b> | <b>-.22520</b> | <b>70.727</b> | <b>956.17</b> |
| Stddev | .54312         | .3176         | .0327         | 1.1363        | .24404         | .039          | 2.46          |
| %RSD   | 85.014         | 20.418        | 2.8189        | 46.367        | 108.36         | .05517        | .25707        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>735.70</b> |
| Stddev | 2.75          |
| %RSD   | .37443        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6184.0</b> | <b>4568.4</b> | <b>55040.</b> | <b>9815.7</b> |
| Stddev    | 8.3           | 4.6           | 132.          | 18.3          |
| %RSD      | .13356        | .09990        | .23994        | .18613        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 93.558%  | 97.138%  | 94.799%  | 99.346%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-1-a      Acquired: 1/3/2013 20:56:43      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |              |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.46953</b> | <b>34.045</b> | <b>.06183</b> | <b>43.802</b> | <b>77.416</b> | <b>-.17187</b> | <b>53694.</b> | <b>.1766</b> |
| Stddev | .14646         | 5.989         | .79980        | .264          | .302          | .02352         | 13.           | .0783        |
| %RSD   | 31.193         | 17.593        | 1293.5        | .60186        | .39018        | 13.685         | .02461        | 44.32        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |                |               |               |               |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.03309</b> | <b>.96816</b> | <b>-.74968</b> | <b>54.438</b> | <b>2496.0</b> | <b>6.6201</b> | <b>39913.</b> | <b>6.5105</b> |
| Stddev | .27771         | .13838        | .27782         | .858          | 18.4          | .4081         | 56.           | .0523         |
| %RSD   | 839.26         | 14.294        | 37.058         | 1.5760        | .73835        | 6.1652        | .14093        | .80354        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |                |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>.54880</b> | <b>13186.</b> | <b>.54853</b> | <b>-.68420</b> | <b>1.385</b> | <b>-.60048</b> | <b>.10407</b> | <b>.46437</b> |
| Stddev | .03456        | 18.           | .22831        | 1.3084         | 1.650        | .23881         | .11359        | .00880        |
| %RSD   | 6.2981        | .13551        | 41.622        | 191.23         | 119.1        | 39.771         | 109.14        | 1.8944        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: 450-8501-b-1-a      Acquired: 1/3/2013 20:56:43      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>1.3408</b> | <b>-.13668</b> | <b>.83074</b> | <b>3585.6</b> | <b>155.43</b> |
| Stddev | .4587         | .77852         | .04621        | 13.5          | 2.86          |
| %RSD   | 34.213        | 569.59         | 5.5628        | .37768        | 1.8416        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6396.5</b> | <b>4619.0</b> | <b>56359.</b> | <b>9733.5</b> |
| Stddev    | 13.1          | 9.3           | 39.           | 12.2          |
| %RSD      | .20440        | .20159        | .06868        | .12543        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 96.773%  | 98.213%  | 97.070%  | 98.514%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-2-a      Acquired: 1/3/2013 21:00:40      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.33424</b> | <b>92.414</b> | <b>1.1311</b> | <b>24.893</b> | <b>68.513</b> | <b>-.28210</b> | <b>122870.</b> |
| Stddev | .18086         | 9.934         | 1.3568        | .300          | .053          | .04105         | 1079.          |
| %RSD   | 54.110         | 10.749        | 119.96        | 1.2056        | .07720        | 14.552         | .87812         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |                |               |               |                |
|--------|--------------|---------------|---------------|----------------|---------------|---------------|----------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707         |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb          | ppb           | ppb           | ppb            | ppb           | ppb           | ppb            |
| Avg    | <b>.2383</b> | <b>.25468</b> | <b>.92693</b> | <b>-.69755</b> | <b>165.69</b> | <b>1992.6</b> | <b>-.49552</b> |
| Stddev | .1240        | .14085        | .17545        | .55259         | 1.69          | 15.3          | .99010         |
| %RSD   | 52.03        | 55.304        | 18.928        | 79.218         | 1.0220        | .76622        | 199.81         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175        |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>30095.</b> | <b>18.552</b> | <b>.99280</b> | <b>17028.</b> | <b>1.2028</b> | <b>-1.6272</b> | <b>-.2296</b> |
| Stddev | 49.           | .052          | .15952        | 30.           | .1402         | .5534          | .7775         |
| %RSD   | .16238        | .27911        | 16.067        | .17684        | 11.660        | 34.010         | 338.6         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-2-a      Acquired: 1/3/2013 21:00:40      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |                |               |               |
|--------|----------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Se1960         | Sn1899        | Ti3372        | Ti1908        | V_2908         | Zn2062        | Si2516        |
| IS Ref | (Y_2243)       | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-.46889</b> | <b>.49006</b> | <b>.96883</b> | <b>1.5961</b> | <b>-.14832</b> | <b>1.3664</b> | <b>3589.9</b> |
| Stddev | .38303         | .37129        | .22574        | 1.1943        | 1.8176         | .0883         | 7.9           |
| %RSD   | 81.688         | 75.765        | 23.300        | 74.822        | 1225.5         | 6.4594        | .21935        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>316.11</b> |
| Stddev | 3.32          |
| %RSD   | 1.0515        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6317.1</b> | <b>4591.5</b> | <b>55915.</b> | <b>9826.9</b> |
| Stddev    | 9.1           | 7.9           | 92.           | 19.3          |
| %RSD      | .14394        | .17132        | .16456        | .19682        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 95.572%  | 97.628%  | 96.307%  | 99.459%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-4-a      Acquired: 1/3/2013 21:04:45      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |                |                |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>.00946</b> | <b>10.272</b> | <b>1.3213</b> | <b>16.264</b> | <b>128.11</b> | <b>-.24062</b> | <b>111500.</b> |
| Stddev | .12001        | 13.974        | .3493         | .211          | .15           | .03078         | 874.           |
| %RSD   | 1268.2        | 136.04        | 26.432        | 1.2995        | .12006        | 12.793         | .78400         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |                |               |               |                |
|--------|--------------|---------------|---------------|----------------|---------------|---------------|----------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707         |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb          | ppb           | ppb           | ppb            | ppb           | ppb           | ppb            |
| Avg    | <b>.1768</b> | <b>.00528</b> | <b>.84302</b> | <b>-.77039</b> | <b>23.728</b> | <b>2457.8</b> | <b>-3.4115</b> |
| Stddev | .1739        | .11681        | .04828        | .78132         | .869          | 28.4          | 1.1067         |
| %RSD   | 98.32        | 2210.1        | 5.7269        | 101.42         | 3.6612        | 1.1554        | 32.440         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175        |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>9262.6</b> | <b>3.3981</b> | <b>.42452</b> | <b>38827.</b> | <b>1.4257</b> | <b>-.59935</b> | <b>-.8466</b> |
| Stddev | 25.9          | .0720         | .21133        | 78.           | .0465         | .66628         | 1.152         |
| %RSD   | .27980        | 2.1197        | 49.782        | .20035        | 3.2640        | 111.17         | 136.1         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-4-a      Acquired: 1/3/2013 21:04:45      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |               |               |               |               |                |               |               |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908         | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.20728</b> | <b>.04542</b> | <b>.29980</b> | <b>1.8570</b> | <b>-.66360</b> | <b>1.6610</b> | <b>4292.0</b> |
| Stddev | 2.0181        | .08848        | .20724        | .2456         | 2.1881         | .0933         | 12.6          |
| %RSD   | 973.59        | 194.79        | 69.128        | 13.226        | 329.73         | 5.6176        | .29396        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>385.50</b> |
| Stddev | 7.66          |
| %RSD   | 1.9863        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6334.4</b> | <b>4581.6</b> | <b>56011.</b> | <b>9772.8</b> |
| Stddev    | 2.9           | 5.2           | 132.          | 19.7          |
| %RSD      | .04633        | .11395        | .23539        | .20143        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 95.833%  | 97.419%  | 96.471%  | 98.912%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-5-a      Acquired: 1/3/2013 21:08:51      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |                |               |               |               |               |              |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280        | Al3082        | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>-72859</b> | <b>-08103</b> | <b>-23.928</b> | <b>109.03</b> | <b>62.869</b> | <b>-13409</b> | <b>33127.</b> | <b>2.188</b> |
| Stddev | .11717        | 17.285        | 16.895         | 58.08         | .332          | .05243        | 52.           | 1.234        |
| %RSD   | 16.082        | 21332.        | 70.607         | 53.270        | .52825        | 39.103        | .15629        | 56.41        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |               |                |               |               |
|--------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>9.2042</b> | <b>.88725</b> | <b>-.54189</b> | <b>518.63</b> | <b>1015.7</b> | <b>-.39684</b> | <b>3447.6</b> | <b>464.23</b> |
| Stddev | 5.4317        | .32600        | .23575         | 1.57          | 29.3          | .70053         | 23.3          | 1.76          |
| %RSD   | 59.013        | 36.742        | 43.504         | .30298        | 2.8876        | 176.53         | .67459        | .37936        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175        | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)      | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>8.6056</b> | <b>4222.7</b> | <b>2.1238</b> | <b>2.0842</b> | <b>-35.22</b> | <b>52.038</b> | <b>24.058</b> | <b>.09065</b> |
| Stddev | 5.2024        | 11.0          | .7416         | 1.9818        | 18.92         | 32.705        | 14.843        | .16647        |
| %RSD   | 60.453        | .26119        | 34.919        | 95.089        | 53.73         | 62.848        | 61.698        | 183.65        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-5-a      Acquired: 1/3/2013 21:08:51      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -2.2337  | 1.0594   | 14.737   | 3327.1   | 76.630   |
| Stddev | 4.5867   | .7594    | 7.586    | 6.0      | .608     |
| %RSD   | 205.34   | 71.685   | 51.479   | .18103   | .79308   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6030.3 | 4233.6 | 55583. | 9809.0 |
| Stddev    | 82.4   | 70.3   | 907.   | 24.3   |
| %RSD      | 1.3671 | 1.6609 | 1.6317 | .24814 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 91.232%  | 90.019%  | 95.734%  | 99.279%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-6-a      Acquired: 1/3/2013 21:12:32      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .02526   | 14.876   | 1.3428   | 9.5493   | 60.337   | -1.18587 | 56533.   | -.0169   |
| Stddev | .15054   | 5.617    | .3352    | .1961    | .252     | .07118   | 125.     | .0397    |
| %RSD   | 595.86   | 37.760   | 24.960   | 2.0532   | .41807   | 38.297   | .22191   | 235.5    |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .05552   | .62440   | .12113   | 22.542   | 587.19   | 1.2273   | 3132.3   | 17.767   |
| Stddev | .17790   | .33519   | .35052   | 1.344    | 9.56     | .4004    | 9.8      | .112     |
| %RSD   | 320.41   | 53.681   | 289.39   | 5.9646   | 1.6279   | 32.621   | .31316   | .63178   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .29530   | 4608.9   | .82462   | -.60968  | .9479    | .59471   | .12679   | .28846   |
| Stddev | .05630   | 19.6     | .50283   | .68629   | .0124    | .50772   | .17072   | .17664   |
| %RSD   | 19.066   | .42445   | 60.977   | 112.57   | 1.308    | 85.372   | 134.65   | 61.236   |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: 450-8501-b-6-a      Acquired: 1/3/2013 21:12:32      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1.5272   | -1.15490 | 1.9265   | 4721.4   | 71.228   |
| Stddev | .9501    | .43214   | .0565    | 13.1     | 2.106    |
| %RSD   | 62.212   | 278.99   | 2.9352   | .27723   | 2.9568   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6636.9 | 4713.8 | 57358. | 9858.2 |
| Stddev    | 19.6   | 12.5   | 153.   | 44.4   |
| %RSD      | .29493 | .26508 | .26682 | .45004 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 100.41%  | 100.23%  | 98.791%  | 99.776%  |
| Range   |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 21:16:29      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1004.6   | 24774.   | 513.56   | 5054.6   | 1992.5   | 2061.5   | 51009.   | 504.3    |
| Stddev | 3.3      | 232.     | 2.57     | 6.2      | 16.9     | 19.0     | 493.     | 1.2      |
| %RSD   | .32797   | .93746   | .50133   | .12214   | .84671   | .92139   | .96591   | .2375    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1991.5   | 1993.1   | 2001.7   | 25611.   | 48550.   | 5060.3   | 51099.   | 2018.3   |
| Stddev | 5.1      | 7.7      | 6.7      | 251.     | 397.     | 46.8     | 492.     | 15.7     |
| %RSD   | .25455   | .38428   | .33278   | .98020   | .81716   | .92574   | .96289   | .77774   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2049.9   | 49350.   | 1990.0   | 497.23   | 496.3    | 497.27   | 4932.3   | 5174.4   |
| Stddev | 5.6      | 444.     | 5.3      | 1.04     | 1.5      | 1.60     | 6.0      | 8.0      |
| %RSD   | .27511   | .90035   | .26549   | .20848   | .3036    | .32220   | .12221   | .15546   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 21:16:29      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1026.2   | 2004.3   | 2027.2   | 5347.0   | 5073.5   |
| Stddev | 3.6      | 19.1     | 4.0      | 35.7     | 56.5     |
| %RSD   | .35195   | .95287   | .19640   | .66716   | 1.1136   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6160.0 | 4567.7 | 55649. | 9665.1 |
| Stddev    | 4.4    | .8     | 258.   | 75.5   |
| %RSD      | .07148 | .01720 | .46414 | .78166 |

Sample Name: CCB      Acquired: 1/3/2013 21:20:22      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |                |                |                |               |               |               |               |              |
|--------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280         | Al3082         | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb            | ppb            | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>-.25379</b> | <b>-3.6199</b> | <b>-.67572</b> | <b>7.1551</b> | <b>.22601</b> | <b>.04804</b> | <b>31.192</b> | <b>.0888</b> |
| Stddev | .43879         | 20.398         | 1.6376         | .7165         | .17128        | .02224        | 3.502         | .1211        |
| %RSD   | 172.89         | 563.49         | 242.35         | 10.013        | 75.785        | 46.290        | 11.228        | 136.3        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |               |               |                |               |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790         | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>.08408</b> | <b>.07470</b> | <b>-.13530</b> | <b>2.6666</b> | <b>21.019</b> | <b>1.0863</b> | <b>-10.611</b> | <b>.10696</b> |
| Stddev | .04734        | .03548        | .92440         | 1.3196        | 19.799        | 1.6177        | 6.659          | .00779        |
| %RSD   | 56.297        | 47.501        | 683.22         | 49.485        | 94.196        | 148.91        | 62.755         | 7.2877        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |               |               |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175        | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)      | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.60362</b> | <b>86.100</b> | <b>.16997</b> | <b>-.54918</b> | <b>-.2074</b> | <b>.10597</b> | <b>.75177</b> | <b>1.2347</b> |
| Stddev | .05201        | 1.971         | .22863        | .53123         | 1.792         | .69918        | .54351        | .1616         |
| %RSD   | 8.6164        | 2.2894        | 134.51        | 96.733         | 863.8         | 659.78        | 72.297        | 13.090        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 21:20:22      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |                |               |               |               |                |
|--------|----------------|---------------|---------------|---------------|----------------|
| Elem   | Tl1908         | V_2908        | Zn2062        | Si2516        | Sr3464         |
| IS Ref | (In2306)       | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb            |
| Avg    | <b>-1.0869</b> | <b>.99365</b> | <b>.68286</b> | <b>.40065</b> | <b>-.45015</b> |
| Stddev | .7849          | 3.3612        | .08694        | 3.9682        | 2.6223         |
| %RSD   | 72.213         | 338.27        | 12.732        | 990.44        | 582.55         |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6680.5</b> | <b>4697.7</b> | <b>57505.</b> | <b>9662.5</b> |
| Stddev    | 12.7          | 9.7           | 65.           | 81.9          |
| %RSD      | .18960        | .20735        | .11224        | .84719        |

Sample Name: 450-8501-b-7-a      Acquired: 1/3/2013 21:24:23      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-.36686</b> | <b>10.706</b> | <b>1.7495</b> | <b>11.632</b> | <b>50.433</b> | <b>-.07737</b> | <b>26214.</b> | <b>-.0050</b> |
| Stddev | .17162         | 7.827         | .3490         | .136          | .350          | .00592         | 128.          | .0093         |
| %RSD   | 46.781         | 73.110        | 19.946        | 1.1694        | .69360        | 7.6454         | .48896        | 186.5         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |               |                |               |               |               |               |               |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286         | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>-.06182</b> | <b>.52599</b> | <b>-1.0444</b> | <b>12.480</b> | <b>514.19</b> | <b>1.9240</b> | <b>2892.4</b> | <b>49.432</b> |
| Stddev | .07576         | .24862        | .2352          | .039          | 17.28         | 1.4338        | 16.7          | .063          |
| %RSD   | 122.55         | 47.267        | 22.519         | .31321        | 3.3608        | 74.523        | .57787        | .12694        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |                |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>.19419</b> | <b>5722.6</b> | <b>.77465</b> | <b>-.11992</b> | <b>1.372</b> | <b>-.77418</b> | <b>.33239</b> | <b>.47511</b> |
| Stddev | .09599        | 23.4          | .27358        | .52159         | .959         | .41568         | .23143        | .01834        |
| %RSD   | 49.429        | .40839        | 35.317        | 434.95         | 69.90        | 53.693         | 69.627        | 3.8599        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-7-a      Acquired: 1/3/2013 21:24:23      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.5048</b> | <b>1.0332</b> | <b>5.0534</b> | <b>5117.2</b> | <b>44.564</b> |
| Stddev | .3571         | .3130         | .0094         | 16.0          | 2.022         |
| %RSD   | 23.730        | 30.291        | .18633        | .31194        | 4.5370        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6660.6</b> | <b>4715.9</b> | <b>58019.</b> | <b>9956.5</b> |
| Stddev    | 46.5          | 31.2          | 91.           | 84.5          |
| %RSD      | .69796        | .66163        | .15711        | .84852        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 100.77%  | 100.27%  | 99.930%  | 100.77%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-8-a      Acquired: 1/3/2013 21:28:21      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |               |               |               |                |               |              |
|--------|----------------|----------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082         | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.29480</b> | <b>-9.2360</b> | <b>1.1302</b> | <b>36.280</b> | <b>124.94</b> | <b>-.08520</b> | <b>50991.</b> | <b>.1435</b> |
| Stddev | .06122         | 4.7990         | .4569         | .203          | .12           | .02834         | 46.           | .0329        |
| %RSD   | 20.767         | 51.960         | 40.424        | .56028        | .09611        | 33.258         | .08960        | 22.91        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |               |                |               |               |
|--------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.16266</b> | <b>.38116</b> | <b>-.62739</b> | <b>2.7734</b> | <b>3605.5</b> | <b>-3.4529</b> | <b>20427.</b> | <b>422.34</b> |
| Stddev | .10489        | .29259        | .39052         | 1.1026        | 11.9          | .2852          | 20.           | 1.31          |
| %RSD   | 64.487        | 76.764        | 62.245         | 39.756        | .33053        | 8.2588         | .09567        | .31032        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |               |               |               |               |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175        | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)      | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>6.2386</b> | <b>13215.</b> | <b>.91986</b> | <b>-.40631</b> | <b>-.2804</b> | <b>.16805</b> | <b>.27419</b> | <b>.34124</b> |
| Stddev | .0536         | 15.           | .47808        | 1.2134         | 1.021         | 1.2159        | .12248        | .03557        |
| %RSD   | .85946        | .11296        | 51.973        | 298.65         | 364.0         | 723.52        | 44.669        | 10.423        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: 450-8501-b-8-a      Acquired: 1/3/2013 21:28:21      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.8614</b> | <b>.11313</b> | <b>.87818</b> | <b>5017.1</b> | <b>203.02</b> |
| Stddev | .3086         | 2.1688        | .04762        | 9.0           | 2.06          |
| %RSD   | 16.577        | 1917.0        | 5.4231        | .17876        | 1.0158        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6459.2</b> | <b>4642.4</b> | <b>56429.</b> | <b>9853.7</b> |
| Stddev    | 4.8           | 2.0           | 152.          | 29.5          |
| %RSD      | .07499        | .04383        | .26902        | .29980        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 97.721%  | 98.711%  | 97.191%  | 99.730%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-9-a      Acquired: 1/3/2013 21:32:15      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.03929</b> | <b>57.595</b> | <b>.87046</b> | <b>17.920</b> | <b>97.049</b> | <b>-.24076</b> | <b>106850.</b> |
| Stddev | .28048         | 13.006        | .71277        | .197          | .223          | .04037         | 351.           |
| %RSD   | 713.82         | 22.581        | 81.884        | 1.0971        | .22986        | 16.768         | .32886         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |                |               |                |               |               |                |
|--------|--------------|----------------|---------------|----------------|---------------|---------------|----------------|
| Elem   | Cd2288       | Co2286         | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707         |
| IS Ref | (Y_2243)     | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)       |
| Units  | ppb          | ppb            | ppb           | ppb            | ppb           | ppb           | ppb            |
| Avg    | <b>.0275</b> | <b>-.02630</b> | <b>.89261</b> | <b>-.65517</b> | <b>61.180</b> | <b>1670.6</b> | <b>-1.3171</b> |
| Stddev | .0440        | .12080         | .15301        | .63422         | .327          | 27.4          | .9719          |
| %RSD   | 159.9        | 459.35         | 17.141        | 96.803         | .53479        | 1.6384        | 73.795         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |              |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb          |
| Avg    | <b>10896.</b> | <b>13.645</b> | <b>.54475</b> | <b>19726.</b> | <b>1.0912</b> | <b>-.35742</b> | <b>.0278</b> |
| Stddev | 6.            | .064          | .10068        | 40.           | .4159         | 1.1398         | .4905        |
| %RSD   | .05198        | .46851        | 18.481        | .20042        | 38.116        | 318.91         | 1767.        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-9-a      Acquired: 1/3/2013 21:32:15      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Se1960   | Sn1899   | Ti3372   | Ti1908   | V_2908   | Zn2062   | Si2516   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (In2306) | (Y_3710) | (In2306) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .38755   | .08292   | .70433   | 1.7592   | -1.4114  | 2.1025   | 5087.9   |
| Stddev | .74278   | .31962   | .28333   | .4122    | .9215    | .1190    | 11.0     |
| %RSD   | 191.66   | 385.46   | 40.227   | 23.431   | 65.289   | 5.6586   | .21697   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |
|--------|----------|
| Elem   | Sr3464   |
| IS Ref | (Y_3710) |
| Units  | ppb      |
| Avg    | 151.56   |
| Stddev | 4.29     |
| %RSD   | 2.8311   |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6404.1 | 4610.6 | 56171. | 9881.5 |
| Stddev    | 19.5   | 10.2   | 195.   | 46.3   |
| %RSD      | .30503 | .22213 | .34736 | .46871 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 96.888%  | 98.035%  | 96.747%  | 100.01%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-10-a      Acquired: 1/3/2013 21:36:19      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |              |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-.32509</b> | <b>9.2888</b> | <b>1.1406</b> | <b>18.537</b> | <b>52.273</b> | <b>-.20908</b> | <b>67195.</b> | <b>.0371</b> |
| Stddev | .25824         | 10.786        | 1.5181        | .165          | .053          | .06948         | 65.           | .0701        |
| %RSD   | 79.438         | 116.11        | 133.09        | .88971        | .10154        | 33.231         | .09674        | 189.0        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |               |                |               |               |
|--------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.19419</b> | <b>.70201</b> | <b>-.64545</b> | <b>15.469</b> | <b>1609.4</b> | <b>-1.8473</b> | <b>5357.8</b> | <b>1.6666</b> |
| Stddev | .31550        | .06846        | .46689         | 1.333         | 20.6          | 1.5261         | 18.8          | .0267         |
| %RSD   | 162.47        | 9.7523        | 72.336         | 8.6163        | 1.2812        | 82.617         | .35144        | 1.6022        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |                |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb            | ppb           | ppb           |
| Avg    | <b>1.0649</b> | <b>6510.0</b> | <b>.77356</b> | <b>-.28964</b> | <b>.1933</b> | <b>-.07828</b> | <b>.16602</b> | <b>.43165</b> |
| Stddev | .2040         | 4.2           | .20433        | .87135         | 1.540        | 2.2323         | .22726        | .15590        |
| %RSD   | 19.154        | .06496        | 26.414        | 300.84         | 796.9        | 2851.8         | 136.89        | 36.118        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-10-a      Acquired: 1/3/2013 21:36:19      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.5901</b> | <b>.71572</b> | <b>1.8574</b> | <b>5343.6</b> | <b>88.510</b> |
| Stddev | .4993         | 1.2471        | .0449         | 5.6           | 1.962         |
| %RSD   | 31.400        | 174.25        | 2.4165        | .10402        | 2.2167        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6545.6</b> | <b>4667.4</b> | <b>56857.</b> | <b>9894.8</b> |
| Stddev    | 12.2          | 4.6           | 16.           | 33.5          |
| %RSD      | .18572        | .09844        | .02782        | .33847        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 99.029%  | 99.244%  | 97.928%  | 100.15%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-11-a      Acquired: 1/3/2013 21:40:14      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |                |               |               |               |               |                |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.35942</b> | <b>543.25</b> | <b>3.1374</b> | <b>12.366</b> | <b>211.05</b> | <b>-.26250</b> | <b>141690.</b> |
| Stddev | .25209         | 8.53          | .6742         | .332          | .35           | .02795         | 1251.          |
| %RSD   | 70.137         | 1.5700        | 21.488        | 2.6807        | .16356        | 10.646         | .88260         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |                |               |               |               |
|--------|--------------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.1495</b> | <b>2.7386</b> | <b>1.8228</b> | <b>-.26892</b> | <b>740.74</b> | <b>1549.6</b> | <b>.46754</b> |
| Stddev | .0316        | .0249         | .0334         | .24527         | 1.99          | 24.0          | 1.3176        |
| %RSD   | 21.14        | .90876        | 1.8308        | 91.206         | .26910        | 1.5493        | 281.83        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |                |               |               |                |               |
|--------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|
| Elem   | Mg2790        | Mn2576        | Mo2020         | Na5895        | Ni2316        | Pb2203         | Sb2175        |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)       | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>17293.</b> | <b>3226.7</b> | <b>-.04196</b> | <b>7783.4</b> | <b>5.8200</b> | <b>-.09416</b> | <b>-.0857</b> |
| Stddev | 19.           | 24.5          | .15975         | 8.5           | .1633         | .86913         | .5959         |
| %RSD   | .10938        | .75906        | 380.69         | .10896        | 2.8052        | 923.06         | 695.3         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-11-a      Acquired: 1/3/2013 21:40:14      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Se1960        | Sn1899        | Ti3372        | Ti1908        | V_2908        | Zn2062        | Si2516        |
| IS Ref | (Y_2243)      | (In2306)      | (Y_3600)      | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.79579</b> | <b>.14953</b> | <b>8.5287</b> | <b>2.4537</b> | <b>.82732</b> | <b>5.1149</b> | <b>6460.3</b> |
| Stddev | 1.5021        | .57121        | .2671         | .6618         | 1.4746        | .0736         | 13.9          |
| %RSD   | 188.75        | 382.01        | 3.1321        | 26.972        | 178.24        | 1.4380        | .21549        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |
|--------|---------------|
| Elem   | Sr3464        |
| IS Ref | (Y_3710)      |
| Units  | ppb           |
| Avg    | <b>233.25</b> |
| Stddev | 2.98          |
| %RSD   | 1.2774        |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6343.5</b> | <b>4604.9</b> | <b>55873.</b> | <b>9801.8</b> |
| Stddev    | 7.1           | 5.0           | 82.           | 23.0          |
| %RSD      | .11257        | .10902        | .14758        | .23463        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 95.970%  | 97.913%  | 96.234%  | 99.205%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-12-a      Acquired: 1/3/2013 21:44:25      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |                |               |              |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>.10772</b> | <b>27.229</b> | <b>2.2239</b> | <b>8.9043</b> | <b>34.531</b> | <b>-.08542</b> | <b>14563.</b> | <b>.0078</b> |
| Stddev | .18087        | 3.653         | 1.3667        | .1680         | .139          | .01348         | 27.           | .0396        |
| %RSD   | 167.90        | 13.415        | 61.457        | 1.8865        | .40227        | 15.786         | .18704        | 509.3        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.24361</b> | <b>.33483</b> | <b>.72161</b> | <b>63.104</b> | <b>1229.4</b> | <b>-2.1001</b> | <b>1762.4</b> | <b>32.446</b> |
| Stddev | .14110        | .29026        | .40074        | .497          | 37.6          | .2751          | 23.3          | .066          |
| %RSD   | 57.922        | 86.688        | 55.535        | .78815        | 3.0603        | 13.101         | 1.3226        | .20211        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |                |               |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|----------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899         | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb            | ppb           |
| Avg    | <b>.16383</b> | <b>6552.9</b> | <b>.84412</b> | <b>-.68661</b> | <b>2.389</b> | <b>1.3912</b> | <b>-.11721</b> | <b>.45374</b> |
| Stddev | .20967        | 7.1           | .05562        | 1.8581         | .935         | 2.2211        | .31427         | .14434        |
| %RSD   | 127.98        | .10876        | 6.5887        | 270.62         | 39.13        | 159.65        | 268.13         | 31.812        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: 450-8501-b-12-a      Acquired: 1/3/2013 21:44:25      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1.1627   | -1.12763 | 1.9245   | 775.26   | 29.939   |
| Stddev | .3897    | 1.2387   | .0779    | 7.19     | 1.386    |
| %RSD   | 33.512   | 970.56   | 4.0497   | .92768   | 4.6298   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6661.9 | 4718.0 | 57667. | 9838.9 |
| Stddev    | 5.0    | 2.2    | 45.    | 34.4   |
| %RSD      | .07478 | .04620 | .07780 | .34972 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 100.79%  | 100.32%  | 99.323%  | 99.581%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-13-a      Acquired: 1/3/2013 21:48:23      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |                |               |               |               |               |                |                |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179         |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)       |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb            |
| Avg    | <b>-.56402</b> | <b>1.5995</b> | <b>.24795</b> | <b>21.189</b> | <b>259.07</b> | <b>-.45068</b> | <b>206540.</b> |
| Stddev | .24598         | 4.9387        | .63208        | .072          | .15           | .03101         | 181.           |
| %RSD   | 43.612         | 308.76        | 254.92        | .34010        | .05758        | 6.8817         | .08753         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |               |               |                |               |               |               |
|--------|--------------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb           | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.2378</b> | <b>1.1979</b> | <b>.86014</b> | <b>-1.0027</b> | <b>24.772</b> | <b>2375.5</b> | <b>30.147</b> |
| Stddev | .0523        | .0792         | .16160        | .1939          | .403          | 5.4           | .304          |
| %RSD   | 21.99        | 6.6121        | 18.787        | 19.334         | 1.6281        | .22893        | 1.0091        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |               |               |                |               |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175        |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>26339.</b> | <b>183.26</b> | <b>.82839</b> | <b>73697.</b> | <b>3.4321</b> | <b>-.67912</b> | <b>-.9143</b> |
| Stddev | 58.           | .27           | .20219        | 16.           | .2571         | .87281         | 1.744         |
| %RSD   | .21973        | .14519        | 24.408        | .02134        | 7.4905        | 128.52         | 190.8         |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-13-a      Acquired: 1/3/2013 21:48:23      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Se1960   | Sn1899   | Ti3372   | Ti1908   | V_2908   | Zn2062   | Si2516   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (In2306) | (Y_3710) | (In2306) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | -1.3413  | .44916   | -.13501  | 2.2862   | -1.4426  | 1.3372   | 3604.1   |
| Stddev | .9483    | .32561   | .05884   | .4112    | 1.0859   | .1192    | 9.6      |
| %RSD   | 70.702   | 72.494   | 43.586   | 17.984   | 75.272   | 8.9104   | .26691   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |
|--------|----------|
| Elem   | Sr3464   |
| IS Ref | (Y_3710) |
| Units  | ppb      |
| Avg    | 835.97   |
| Stddev | 3.71     |
| %RSD   | .44320   |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6085.6 | 4463.2 | 54302. | 9662.2 |
| Stddev    | 2.2    | 2.4    | 34.    | 23.3   |
| %RSD      | .03697 | .05381 | .06262 | .24072 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 92.069%  | 94.902%  | 93.527%  | 97.792%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-14-a      Acquired: 1/3/2013 21:52:26      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |               |               |               |               |                |               |              |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280        | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)      | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-44839</b> | <b>6.2764</b> | <b>4.5491</b> | <b>15.285</b> | <b>701.37</b> | <b>-.20027</b> | <b>94650.</b> | <b>.2610</b> |
| Stddev | .39568        | 5.0499        | 1.1015        | .020          | .60           | .02538         | 205.          | .0453        |
| %RSD   | 88.246        | 80.459        | 24.215        | .13126        | .08527        | 12.675         | .21637        | 17.35        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.29080</b> | <b>1.7499</b> | <b>1.2721</b> | <b>13.139</b> | <b>9549.2</b> | <b>18.327</b> | <b>13022.</b> | <b>5.6367</b> |
| Stddev | .14200        | .2412         | .3607         | .581          | 70.2          | .455          | 36.           | .0362         |
| %RSD   | 48.832        | 13.782        | 28.352        | 4.4230        | .73479        | 2.4834        | .27982        | .64176        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |               |                |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|---------------|----------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372         |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)       |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb           | ppb            |
| Avg    | <b>1.1424</b> | <b>59656.</b> | <b>1.9461</b> | <b>-.84212</b> | <b>.6700</b> | <b>.28232</b> | <b>.41507</b> | <b>-.13658</b> |
| Stddev | .1540         | 89.           | .4277         | .40406         | 2.903        | 1.3576        | .06387        | .09173         |
| %RSD   | 13.481        | .14996        | 21.976        | 47.981         | 433.3        | 480.88        | 15.388        | 67.164         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-14-a      Acquired: 1/3/2013 21:52:26      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |               |                |               |               |               |
|--------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>2.3069</b> | <b>-.33426</b> | <b>3.2032</b> | <b>1884.7</b> | <b>2884.3</b> |
| Stddev | .2686         | .50363         | .1063         | 7.6           | 12.4          |
| %RSD   | 11.643        | 150.67         | 3.3178        | .40122        | .42894        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6289.3</b> | <b>4562.9</b> | <b>55562.</b> | <b>9735.1</b> |
| Stddev    | 11.7          | 3.1           | 218.          | 37.7          |
| %RSD      | .18652        | .06844        | .39151        | .38727        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 95.151%  | 97.021%  | 95.699%  | 98.531%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-15-a      Acquired: 1/3/2013 21:56:20      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                 |               |               |               |               |                |               |              |
|--------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|
| Elem   | Ag3280          | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)        | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)     |
| Units  | ppb             | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb          |
| Avg    | <b>-1.10693</b> | <b>2310.3</b> | <b>4.0310</b> | <b>14.318</b> | <b>329.86</b> | <b>-.01417</b> | <b>40269.</b> | <b>.0688</b> |
| Stddev | .39146          | 8.4           | 1.9685        | .408          | .32           | .04057         | 87.           | .1486        |
| %RSD   | 366.08          | .36296        | 48.834        | 2.8528        | .09627        | 286.27         | .21709        | 216.0        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273        | Fe2599        | K_7664        | Li6707        | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.1494</b> | <b>6.7499</b> | <b>2.2148</b> | <b>2459.7</b> | <b>2326.7</b> | <b>34.575</b> | <b>4704.7</b> | <b>81.002</b> |
| Stddev | .0537         | .1833         | .5382         | 6.6           | 51.6          | .691          | 8.6           | .075          |
| %RSD   | 4.6719        | 2.7152        | 24.299        | .26737        | 2.2194        | 1.9991        | .18273        | .09285        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |                |                |               |
|--------|---------------|---------------|---------------|---------------|--------------|----------------|----------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960         | Sn1899         | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)       | (In2306)       | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb            | ppb            | ppb           |
| Avg    | <b>1.4503</b> | <b>35631.</b> | <b>2.9584</b> | <b>1.9632</b> | <b>1.395</b> | <b>-.72972</b> | <b>-.07260</b> | <b>42.424</b> |
| Stddev | .1998         | 20.           | .0906         | .8153         | 2.060        | .93533         | .11950         | 2.971         |
| %RSD   | 13.777        | .05492        | 3.0613        | 41.530        | 147.7        | 128.18         | 164.60         | 7.0024        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-15-a      Acquired: 1/3/2013 21:56:20      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1.7354</b> | <b>2.7490</b> | <b>10.209</b> | <b>4520.2</b> | <b>2719.0</b> |
| Stddev | .5316         | .6881         | .024          | 14.4          | 14.1          |
| %RSD   | 30.630        | 25.029        | .23096        | .31889        | .51792        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6504.6</b> | <b>4683.9</b> | <b>56896.</b> | <b>9834.2</b> |
| Stddev    | 9.8           | 5.3           | 53.           | 39.3          |
| %RSD      | .15102        | .11347        | .09372        | .39928        |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 98.408%  | 99.595%  | 97.996%  | 99.533%  |
| Range   |          |          |          |          |

Sample Name: 450-8501-b-16-a      Acquired: 1/3/2013 22:00:12      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |               |               |               |               |                |               |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        | Cd2288        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_2243)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-.09555</b> | <b>48.617</b> | <b>.26821</b> | <b>5.2993</b> | <b>11.515</b> | <b>-.05515</b> | <b>4355.9</b> | <b>-.0552</b> |
| Stddev | .14802         | 16.873        | .22387        | .2273         | .149          | .05438         | 10.9          | .0564         |
| %RSD   | 154.91         | 34.706        | 83.468        | 4.2901        | 1.2931        | 98.604         | .25031        | 102.3         |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |                |               |               |                |               |               |
|--------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286        | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb            | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.16362</b> | <b>.30477</b> | <b>-.03017</b> | <b>68.905</b> | <b>616.73</b> | <b>-.13510</b> | <b>679.38</b> | <b>7.5343</b> |
| Stddev | .05161        | .07725        | .43589         | .668          | 30.07         | .42534         | 4.42          | .0375         |
| %RSD   | 31.541        | 25.347        | 1444.9         | .96967        | 4.8763        | 314.85         | .65034        | .49760        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |               |                |               |               |
|--------|---------------|---------------|---------------|----------------|---------------|----------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175        | Se1960         | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)      | (Y_2243)       | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>.14079</b> | <b>2880.1</b> | <b>.97516</b> | <b>-1.1659</b> | <b>-.0986</b> | <b>-.62538</b> | <b>.34706</b> | <b>.83126</b> |
| Stddev | .14564        | 16.4          | .15865        | 1.2081         | 1.825         | .98259         | .30846        | .09318        |
| %RSD   | 103.44        | .56863        | 16.269        | 103.62         | 1851.         | 157.12         | 88.878        | 11.209        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |



Sample Name: 450-8501-b-16-a      Acquired: 1/3/2013 22:00:12      Type: Unk  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .97674   | -.15246  | 4.9321   | 858.35   | 22.188   |
| Stddev | .79050   | .34639   | .0620    | 1.78     | 2.102    |
| %RSD   | 80.932   | 227.20   | 1.2579   | .20752   | 9.4731   |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6755.3 | 4782.4 | 58287. | 9955.6 |
| Stddev    | 2.8    | 3.2    | 192.   | 23.8   |
| %RSD      | .04184 | .06726 | .32941 | .23946 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 102.20%  | 101.69%  | 100.39%  | 100.76%  |
| Range   |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 22:04:12      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1008.0   | 24797.   | 514.20   | 5088.6   | 1995.7   | 2055.3   | 50959.   | 507.3    |
| Stddev | 1.7      | 11.      | 2.47     | 2.3      | 2.7      | 2.3      | 45.      | .5       |
| %RSD   | .17173   | .04446   | .48023   | .04468   | .13472   | .11354   | .08832   | .0939    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2001.7   | 2006.6   | 2010.8   | 25520.   | 48801.   | 5042.6   | 50945.   | 2044.3   |
| Stddev | 1.1      | .9       | 4.5      | 24.      | 75.      | 3.0      | 24.      | 6.5      |
| %RSD   | .05410   | .04647   | .22324   | .09557   | .15420   | .05988   | .04714   | .32024   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2055.8   | 49398.   | 2000.5   | 501.62   | 501.1    | 500.80   | 4976.8   | 5229.9   |
| Stddev | 5.7      | 83.      | 1.4      | 1.98     | 1.6      | 2.31     | 11.5     | 9.7      |
| %RSD   | .27578   | .16715   | .06971   | .39492   | .3264    | .46215   | .23027   | .18585   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 22:04:12      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|
| Elem   | Tl1908   | V_2908   | Zn2062   | Si2516   | Sr3464   |
| IS Ref | (In2306) | (Y_3710) | (In2306) | (Y_3710) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1029.1   | 2007.1   | 2039.3   | 5278.7   | 5049.0   |
| Stddev | 2.1      | 1.5      | 1.4      | 71.8     | 2.9      |
| %RSD   | .20195   | .07707   | .06652   | 1.3604   | .05787   |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6128.5 | 4546.9 | 55320. | 9649.0 |
| Stddev    | 2.6    | 5.6    | 55.    | 14.5   |
| %RSD      | .04258 | .12400 | .09918 | .15068 |

Sample Name: CCB      Acquired: 1/3/2013 22:08:02      Type: QC  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |                |                |                |               |               |               |               |              |
|--------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280         | Al3082         | As1890         | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)       | (Y_2243)       | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb            | ppb            | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>-3.2671</b> | <b>-3.9287</b> | <b>-1.2194</b> | <b>5.9329</b> | <b>.34312</b> | <b>.04543</b> | <b>29.764</b> | <b>.0495</b> |
| Stddev | .25281         | 3.3814         | .9310          | .4784         | .09627        | .02012        | 2.473         | .1709        |
| %RSD   | 77.380         | 86.069         | <b>76.353</b>  | 8.0643        | 28.058        | 44.277        | 8.3083        | 345.5        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |                |                |               |               |               |                |               |               |
|--------|----------------|----------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Elem   | Co2286         | Cr2677         | Cu3273        | Fe2599        | K_7664        | Li6707         | Mg2790        | Mn2576        |
| IS Ref | (In2306)       | (Y_3600)       | (Y_3600)      | (Y_3710)      | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3600)      |
| Units  | ppb            | ppb            | ppb           | ppb           | ppb           | ppb            | ppb           | ppb           |
| Avg    | <b>-.21009</b> | <b>-.01957</b> | <b>.02845</b> | <b>1.4699</b> | <b>36.987</b> | <b>-.76300</b> | <b>3.6299</b> | <b>.08448</b> |
| Stddev | .10534         | .12082         | .49652        | .5394         | 51.404        | .48676         | 12.871        | .02776        |
| %RSD   | 50.138         | 617.29         | 1745.3        | 36.696        | 138.98        | 63.796         | 354.58        | 32.860        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |               |              |               |               |               |
|--------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203        | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)      | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.57516</b> | <b>55.281</b> | <b>.21307</b> | <b>.39685</b> | <b>1.258</b> | <b>1.4068</b> | <b>.52596</b> | <b>1.0635</b> |
| Stddev | .06241        | 10.283        | .16011        | .27154        | 2.232        | 2.2780        | .22242        | .0857         |
| %RSD   | 10.850        | 18.601        | 75.144        | 68.423        | 177.4        | 161.93        | 42.288        | 8.0623        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 22:08:02      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |                |               |                |               |
|--------|---------------|----------------|---------------|----------------|---------------|
| Elem   | Tl1908        | V_2908         | Zn2062        | Si2516         | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)       | (In2306)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb           | ppb            | ppb           | ppb            | ppb           |
| Avg    | <b>.62158</b> | <b>-.62137</b> | <b>.64037</b> | <b>-.72542</b> | <b>1.5513</b> |
| Stddev | .80316        | .41066         | .08761        | 4.6860         | 4.3032        |
| %RSD   | 129.21        | 66.089         | 13.680        | 645.96         | 277.40        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6701.0</b> | <b>4717.4</b> | <b>57900.</b> | <b>9669.0</b> |
| Stddev    | <b>5.4</b>    | <b>1.9</b>    | <b>86.</b>    | <b>22.6</b>   |
| %RSD      | .08023        | .03944        | .14814        | .23423        |

Sample Name: 450-8501-b-17-a      Acquired: 1/3/2013 22:12:02      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7 :  
Comment:

|        |                |               |               |               |               |                |               |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130         | Ca3179        |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)       | (Y_3710)      |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb            | ppb           |
| Avg    | <b>-.30253</b> | <b>10.263</b> | <b>2.3575</b> | <b>41.814</b> | <b>3205.3</b> | <b>-.11939</b> | <b>75205.</b> |
| Stddev | .28071         | 5.569         | 1.1625        | .282          | 2.8           | .02499         | 46.           |
| %RSD   | 92.787         | 54.260        | 49.311        | .67416        | .08745        | 20.929         | .06173        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |              |                |               |                |               |               |               |
|--------|--------------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem   | Cd2288       | Co2286         | Cr2677        | Cu3273         | Fe2599        | K_7664        | Li6707        |
| IS Ref | (Y_2243)     | (In2306)       | (Y_3600)      | (Y_3600)       | (Y_3710)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb          | ppb            | ppb           | ppb            | ppb           | ppb           | ppb           |
| Avg    | <b>.1458</b> | <b>-.01805</b> | <b>.73609</b> | <b>-.42318</b> | <b>28.930</b> | <b>2688.0</b> | <b>797.76</b> |
| Stddev | .1357        | .23787         | .13396        | .36126         | .384          | 9.8           | 1.64          |
| %RSD   | 93.06        | 1317.9         | 18.199        | 85.368         | 1.3289        | .36349        | .20540        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |               |               |               |                |               |                |              |
|--------|---------------|---------------|---------------|----------------|---------------|----------------|--------------|
| Elem   | Mg2790        | Mn2576        | Mo2020        | Na5895         | Ni2316        | Pb2203         | Sb2175       |
| IS Ref | (Y_3710)      | (Y_3600)      | (Y_2243)      | (Y_3710)       | (In2306)      | (Y_2243)       | (Y_2243)     |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb           | ppb            | ppb          |
| Avg    | <b>7328.9</b> | <b>281.02</b> | <b>.19114</b> | <b>223100.</b> | <b>1.8534</b> | <b>-.83009</b> | <b>2.475</b> |
| Stddev | 17.3          | .74           | .16530        | 1877.          | .1700         | .39555         | .719         |
| %RSD   | .23616        | .26198        | 86.482        | .84137         | 9.1720        | 47.652         | 29.02        |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

Sample Name: 450-8501-b-17-a      Acquired: 1/3/2013 22:12:02      Type: Unk  
Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
User: Roger      Method: 6010B/6010C      Method: 200.7      :  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Se1960   | Sn1899   | Ti3372   | Ti1908   | V_2908   | Zn2062   | Si2516   |
| IS Ref | (Y_2243) | (In2306) | (Y_3600) | (In2306) | (Y_3710) | (In2306) | (Y_3710) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | .49170   | -.24838  | -.96908  | 2.3338   | -.38345  | 1.5473   | 2773.0   |
| Stddev | 1.9630   | .28507   | .05396   | .5667    | 1.5480   | .0687    | 9.2      |
| %RSD   | 399.24   | 114.77   | 5.5684   | 24.284   | 403.69   | 4.4429   | .33304   |

|            |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |

|        |          |
|--------|----------|
| Elem   | Sr3464   |
| IS Ref | (Y_3710) |
| Units  | ppb      |
| Avg    | 14168.   |
| Stddev | 49.      |
| %RSD   | .34334   |

|            |          |
|------------|----------|
| Check ?    | Chk Pass |
| High Limit |          |
| Low Limit  |          |

|           |        |        |        |        |
|-----------|--------|--------|--------|--------|
| Int. Std. | In2306 | Y_2243 | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6093.3 | 4509.1 | 54254. | 9718.6 |
| Stddev    | 15.0   | 11.2   | 103.   | 17.8   |
| %RSD      | .24597 | .24803 | .18901 | .18329 |

|         |          |          |          |          |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   | 92.186%  | 95.877%  | 93.445%  | 98.364%  |
| Range   |          |          |          |          |

Sample Name: CCV      Acquired: 1/3/2013 22:16:06      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | As1890   | B_1826   | Ba4554   | Be3130   | Ca3179   | Cd2288   |
| IS Ref | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_2243) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 1020.6   | 25006.   | 515.98   | 5122.5   | 2009.3   | 2065.6   | 51341.   | 511.1    |
| Stddev | 4.5      | 61.      | 1.81     | 6.2      | 4.8      | 1.9      | 49.      | 1.0      |
| %RSD   | .44162   | .24262   | .35099   | .12040   | .23901   | .09139   | .09594   | .1908    |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Co2286   | Cr2677   | Cu3273   | Fe2599   | K_7664   | Li6707   | Mg2790   | Mn2576   |
| IS Ref | (In2306) | (Y_3600) | (Y_3600) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3710) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2015.5   | 2023.2   | 2030.6   | 25678.   | 49130.   | 5074.2   | 51236.   | 2062.6   |
| Stddev | 2.9      | 5.0      | 6.9      | 57.      | 102.     | 4.0      | 93.      | 19.9     |
| %RSD   | .14348   | .24761   | .33903   | .22249   | .20696   | .07876   | .18134   | .96596   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |

|        |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | Na5895   | Ni2316   | Pb2203   | Sb2175   | Se1960   | Sn1899   | Ti3372   |
| IS Ref | (Y_2243) | (Y_3710) | (In2306) | (Y_2243) | (Y_2243) | (Y_2243) | (In2306) | (Y_3600) |
| Units  | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| Avg    | 2066.0   | 49662.   | 2013.5   | 500.85   | 503.5    | 504.86   | 5027.6   | 5272.4   |
| Stddev | 5.9      | 107.     | 3.4      | 1.02     | 1.3      | 2.10     | 8.2      | 22.5     |
| %RSD   | .28557   | .21518   | .17077   | .20409   | .2640    | .41598   | .16239   | .42654   |

|         |          |          |          |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |          |          |          |
| Range   |          |          |          |          |          |          |          |          |



Sample Name: CCV      Acquired: 1/3/2013 22:16:06      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>1039.4</b> | <b>2018.9</b> | <b>2051.9</b> | <b>5302.4</b> | <b>5080.3</b> |
| Stddev | 4.5           | 3.9           | 2.7           | 79.4          | 18.2          |
| %RSD   | .43209        | .19232        | .13303        | 1.4978        | .35861        |

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value   |          |          |          |          |          |
| Range   |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6095.1</b> | <b>4529.3</b> | <b>54835.</b> | <b>9576.8</b> |
| Stddev    | 11.0          | 9.3           | 245.          | 25.5          |
| %RSD      | .18009        | .20503        | .44702        | .26676        |

Sample Name: CCB      Acquired: 1/3/2013 22:19:55      Type: QC

Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000

User: Roger      Method: 6010B/6010C      Method: 200.7      :

Comment:

|        |                |               |               |               |               |               |               |              |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Elem   | Ag3280         | Al3082        | As1890        | B_1826        | Ba4554        | Be3130        | Ca3179        | Cd2288       |
| IS Ref | (Y_3600)       | (Y_3710)      | (Y_2243)      | (Y_2243)      | (Y_3710)      | (Y_3710)      | (Y_3710)      | (Y_2243)     |
| Units  | ppb            | ppb           | ppb           | ppb           | ppb           | ppb           | ppb           | ppb          |
| Avg    | <b>-.08266</b> | <b>15.982</b> | <b>1.0163</b> | <b>7.5540</b> | <b>.26858</b> | <b>.05395</b> | <b>32.197</b> | <b>.0006</b> |
| Stddev | .13848         | 5.132         | .3919         | .5663         | .08448        | .06941        | 1.436         | .0852        |
| %RSD   | 167.53         | 32.112        | 38.564        | 7.4973        | 31.455        | 128.66        | 4.4609        | 14220.       |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |                |                |               |                |               |                |               |
|--------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|---------------|
| Elem   | Co2286        | Cr2677         | Cu3273         | Fe2599        | K_7664         | Li6707        | Mg2790         | Mn2576        |
| IS Ref | (In2306)      | (Y_3600)       | (Y_3600)       | (Y_3710)      | (Y_3710)       | (Y_3710)      | (Y_3710)       | (Y_3600)      |
| Units  | ppb           | ppb            | ppb            | ppb           | ppb            | ppb           | ppb            | ppb           |
| Avg    | <b>.02618</b> | <b>-.00017</b> | <b>-.31823</b> | <b>1.7830</b> | <b>-11.028</b> | <b>2.2538</b> | <b>-7.6436</b> | <b>.10808</b> |
| Stddev | .19534        | .32798         | .24899         | .7571         | 6.707          | .8746         | 18.594         | .02427        |
| %RSD   | 746.26        | 189720.        | 78.241         | 42.460        | 60.820         | 38.803        | 243.26         | 22.457        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

|        |               |               |               |                |              |               |               |               |
|--------|---------------|---------------|---------------|----------------|--------------|---------------|---------------|---------------|
| Elem   | Mo2020        | Na5895        | Ni2316        | Pb2203         | Sb2175       | Se1960        | Sn1899        | Ti3372        |
| IS Ref | (Y_2243)      | (Y_3710)      | (In2306)      | (Y_2243)       | (Y_2243)     | (Y_2243)      | (In2306)      | (Y_3600)      |
| Units  | ppb           | ppb           | ppb           | ppb            | ppb          | ppb           | ppb           | ppb           |
| Avg    | <b>.61425</b> | <b>57.453</b> | <b>.08475</b> | <b>-.91664</b> | <b>.9375</b> | <b>.24768</b> | <b>.57380</b> | <b>1.2231</b> |
| Stddev | .04334        | 8.025         | .12426        | 1.0960         | 1.094        | .73061        | .11022        | .0933         |
| %RSD   | 7.0557        | 13.968        | 146.61        | 119.57         | 116.7        | 294.98        | 19.209        | 7.6309        |

|            |          |          |          |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |          |          |          |

Sample Name: CCB      Acquired: 1/3/2013 22:19:55      Type: QC  
 Method: Standard Method + IEC Checks(v73)      Mode: CONC      Corr. Factor: 1.000000  
 User: Roger      Method: 6010B/6010C      Method: 200.7      :  
 Comment:

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem   | Tl1908        | V_2908        | Zn2062        | Si2516        | Sr3464        |
| IS Ref | (In2306)      | (Y_3710)      | (In2306)      | (Y_3710)      | (Y_3710)      |
| Units  | ppb           | ppb           | ppb           | ppb           | ppb           |
| Avg    | <b>.40301</b> | <b>.60945</b> | <b>.72112</b> | <b>1.6134</b> | <b>2.5091</b> |
| Stddev | .46876        | 1.2146        | .19806        | 1.3763        | 4.1589        |
| %RSD   | 116.32        | 199.29        | 27.466        | 85.304        | 165.75        |

|            |          |          |          |          |          |
|------------|----------|----------|----------|----------|----------|
| Check ?    | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit |          |          |          |          |          |
| Low Limit  |          |          |          |          |          |

|           |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306        | Y_2243        | Y_3600        | Y_3710        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>6671.0</b> | <b>4700.0</b> | <b>57241.</b> | <b>9621.9</b> |
| Stddev    | 9.2           | 6.4           | 166.          | 20.7          |
| %RSD      | .13832        | .13645        | .28987        | .21530        |

## Test America North Canton ICP Data Review Checklist

## Run/Project Information:

Run Date: 1-3-13 Analyst: RKTInstrument: IS

## Review Items

| A. Calibration/Instrument Run QC                                                                                                                    | Yes | No | N/A | 2nd Level |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----|-----------|
| 1. Instrument calibrated per manufacturer's instructions (minimum 2 exposures/sample) and at SOP specified levels?                                  | ✓   |    |     | ✓         |
| 2. ICV/CCV analyzed at appropriate frequency and within control limits? (ICV (2 <sup>nd</sup> source): 200.7=95-105%, 6010B 90-110%) (CCV: 90-110%) | ✓   |    |     | ✓         |
| 3. ICB/CCB analyzed at appropriate frequency and within +/- RL?                                                                                     | ✓   |    |     | ✓         |
| 4. CRI run at SOP or project-specific frequency? Recovered within QC limits? (project specific limits may vary)                                     | ✓   |    |     | ✓         |
| 5. ICSA/ICSAB run at required frequency and within SOP limits?                                                                                      | ✓   |    |     | ✓         |
| B. Sample Results                                                                                                                                   |     |    |     |           |
| 1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?                                                    | ✓   |    |     | ✓         |
| 2. All reported results bracketed by in control QC?                                                                                                 | ✓   |    |     | ✓         |
| 3. Was the internal standard(s) within acceptance criteria for all results reported?                                                                | ✓   |    |     | ✓         |
| 3. Sample analyses done within holding time?                                                                                                        | ✓   |    |     | ✓         |
| C. Preparation/Matrix QC                                                                                                                            |     |    |     |           |
| 1. LCS done per prep batch and within QC limits?                                                                                                    | ✓   |    |     | ✓         |
| 2. Method blank done per prep batch and < RL?                                                                                                       | ✓   |    |     | ✓         |
| 3. MS/MSD run at required frequency and within limits?                                                                                              | ✓   |    |     | ✓         |
| 4. MSD or DU run at required frequency and RPD within SOP limits?                                                                                   | ✓   |    |     | ✓         |
| 5. Serial dilution done per prep batch?                                                                                                             | ✓   |    |     | ✓         |
| 6. Post digest spike analyzed if required?                                                                                                          | ✓   |    |     | ✓         |
| D. Other                                                                                                                                            |     |    |     |           |
| 1. Are all nonconformances documented appropriately?                                                                                                | ✓   |    |     | ✓         |
| 2. Current IDL/MDL/LR/TEC data on file?                                                                                                             | ✓   |    |     | ✓         |
| 3. Calculations checked for error?                                                                                                                  | ✓   |    |     | ✓         |
| 4. Transcriptions checked for error?                                                                                                                | ✓   |    |     | ✓         |
| 5. All client/project specific requirements met?                                                                                                    | ✓   |    |     | ✓         |
| 6. Date/time of analysis verified as correct?                                                                                                       | ✓   |    |     | ✓         |

Level I Analyst: Ryan K. JothDate: 1-3-13Time: 11:25 - 14:21Level I Analyst: Ryan K. JothDate: 1-4-13Time: 14:25 - 22:19Level I Analyst: Ryan K. JothDate: 1-4-13Time: 11:25 - 14:21Level II Reviewer: Natalie J. JothDate: 1-4-13Time: 14:25 - 22:19Level II Reviewer: Natalie J. JothDate: 1-4-13Time: 14:25 - 22:19

Comments: \_\_\_\_\_

# TestAmerica North Canton Hg Data Review Checklist

## Run/Project Information:

Circle Methods used: 7470A / 245.1 : 7471:  
 Run Date: 12/29/12 Analyst: DSH Instrument: 141

## Review Items

| A. Calibration/Instrument Run QC                                                        | Yes   | No | N/A | 2nd Level |
|-----------------------------------------------------------------------------------------|-------|----|-----|-----------|
| 1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?   | ✓     |    |     |           |
| 2. ICV/CCV analyzed at appropriate frequency and within control limits?                 | ✓     |    |     |           |
| 3. ICB/CCB analyzed at appropriate frequency and within +/- RL?                         | ✓     |    |     |           |
| 4. CRA run?                                                                             | ✓     |    |     |           |
| B. Sample Results                                                                       |       |    |     |           |
| 1. Were samples with concentrations > high calibration standard diluted and reanalyzed? | ✓     |    |     |           |
| 2. All reported results bracketed by in control QC?                                     | ✓     |    |     |           |
| 3. Sample analyses done within holding time?                                            | ✓     |    |     |           |
| C. Preparation/ Matrix QC                                                               |       |    |     |           |
| 1. LCS done per prep batch and within QC limits?                                        | ✓     |    |     |           |
| 2. Method blank done per prep batch and < RL?                                           | ✓     |    |     |           |
| 3. MS run at required frequency and within limits?                                      | ✓     |    |     |           |
| 4. MSD or DU run at required frequency and RPD within SOP limits?                       | ✓     |    |     |           |
| D. Other                                                                                |       |    |     |           |
| 1. Are all nonconformances documented appropriately?                                    | 28773 |    | ✓   |           |
| 2. Current IDL/MDL data on file?                                                        | ✓     |    |     |           |
| 3. Calculations and Transcription checked for error?                                    | ✓     |    |     |           |
| 4. All client/project specific requirements met?                                        | ✓     |    |     |           |
| 5. Date of analysis verified as correct?                                                | ✓     |    |     |           |

## Level I

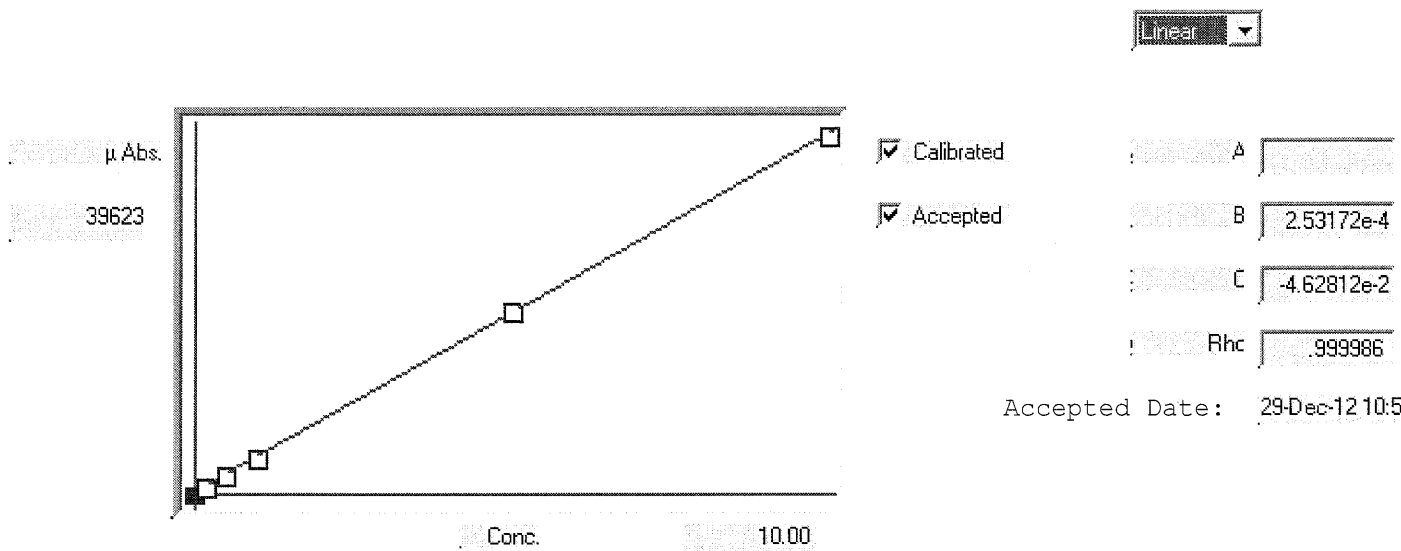
Analyst: [Signature] Date/Time: 12/31/12 Reviewed from 10:42 to 15:44  
 Analyst: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Reviewed from \_\_\_\_\_ to \_\_\_\_\_  
 Comments: Batch # 70694 DOD lines 12-19

## Level II

Reviewer: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Reviewed from \_\_\_\_\_ to \_\_\_\_\_  
 Reviewer: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Reviewed from \_\_\_\_\_ to \_\_\_\_\_  
 Comments: \_\_\_\_\_

Curve Date 12/28/12 Curve Time 9:20 - 11:20 DILUTION H2O 0.002  
 Revised 11/29/2012

Protocol: 1229AHG1



| S  | Conc.  | Calc. | Dev.   | Mean  | SD or %RSD | Rep 1 | Rep 2 | Rep 3 | Rep 4 | Rep 5 |
|----|--------|-------|--------|-------|------------|-------|-------|-------|-------|-------|
| 01 | .00000 | .0183 | .0183  | 256   | 1          | 255   |       |       |       |       |
| 02 | .20000 | .1904 | -.0096 | 935   | 0%         | 935   |       |       |       |       |
| 03 | .50000 | .4780 | -.0220 | 2072  | 0%         | 2071  |       |       |       |       |
| 04 | 1.0000 | .9950 | -.0050 | 4114  | 0%         | 4113  |       |       |       |       |
| 05 | 5.0000 | 5.033 | .0334  | 20065 | 0%         | 20064 |       |       |       |       |
| 06 | 10.000 | 9.985 | -.0151 | 39622 | 0%         | 39622 |       |       |       |       |
| 07 |        |       |        |       |            |       |       |       |       |       |
| 08 |        |       |        |       |            |       |       |       |       |       |
| 09 |        |       |        |       |            |       |       |       |       |       |
| 10 |        |       |        |       |            |       |       |       |       |       |

| Line                             | Conc.  | Units | SD/RSD | 1       | 2   | 3                   | 4         | 5  |
|----------------------------------|--------|-------|--------|---------|-----|---------------------|-----------|----|
| -----                            |        |       |        |         |     |                     |           |    |
| *** Standard: 1 Rep: 1           |        |       |        | Seq: 1  |     | 10:42:38            | 29 Dec 12 | HG |
| Hg                               | .0000  | ppb   | 255    |         |     |                     |           |    |
| *** Standard: 2 Rep: 1           |        |       |        | Seq: 2  |     | 10:44:11            | 29 Dec 12 | HG |
| Hg                               | .2000  | ppb   | 935    |         |     |                     |           |    |
| *** Standard: 3 Rep: 1           |        |       |        | Seq: 3  |     | 10:45:40            | 29 Dec 12 | HG |
| Hg                               | .5000  | ppb   | 2071   |         |     |                     |           |    |
| *** Standard: 4 Rep: 1           |        |       |        | Seq: 4  |     | 10:47:37            | 29 Dec 12 | HG |
| Hg                               | 1.000  | ppb   | 4113   |         |     |                     |           |    |
| *** Standard: 5 Rep: 1           |        |       |        | Seq: 5  |     | 10:49:28            | 29 Dec 12 | HG |
| Hg                               | 5.000  | ppb   | 20064  |         |     |                     |           |    |
| *** Standard: 6 Rep: 1           |        |       |        | Seq: 6  |     | 10:50:56            | 29 Dec 12 | HG |
| Hg                               | 10.00  | ppb   | 39622  |         |     |                     |           |    |
| *** Check Standard: 2 Ck2ICV     |        |       |        | Seq: 7  |     | 10:52:14            | 29 Dec 12 | HG |
| Line Flag %Rcv. Found True Units |        |       |        |         |     | SD/RSD              |           |    |
| Hg                               | 93.04  |       | 2.326  | 2.500   | ppb | .0000               |           |    |
| *** Check Standard: 3 Ck3ICB     |        |       |        | Seq: 8  |     | 10:53:51            | 29 Dec 12 | HG |
| Line Flag %Rcv. Found True Units |        |       |        |         |     | SD/RSD              |           |    |
| Hg                               | ^^^^^  |       | -.0286 | .0000   | ppb | .0000               |           |    |
| *** Check Standard: 4 Ck4CRA\MRL |        |       |        | Seq: 9  |     | 10:55:12            | 29 Dec 12 | HG |
| Line Flag %Rcv. Found True Units |        |       |        |         |     | SD/RSD              |           |    |
| Hg                               | 91.67  |       | .1833  | .2000   | ppb | .0000               |           |    |
| *** Check Standard: 6 Ck6CCV     |        |       |        | Seq: 10 |     | 11:56:29            | 29 Dec 12 | HG |
| Line Flag %Rcv. Found True Units |        |       |        |         |     | SD/RSD              |           |    |
| Hg                               | 99.24  |       | 4.962  | 5.000   | ppb | .0000               |           |    |
| *** Check Standard: 1 Ck1CCB     |        |       |        | Seq: 11 |     | 11:57:53            | 29 Dec 12 | HG |
| Line Flag Found Range(+/-) Units |        |       |        |         |     | SD/RSD              |           |    |
| Hg                               | -.0237 |       | .2000  |         | ppb | .0000               |           |    |
| *** Sample ID:                   |        |       |        | Seq: 12 |     | 11:59:09            | 29 Dec 12 | HG |
|                                  |        |       |        |         |     | MB 240-70255/1-A    |           |    |
| Hg                               | .0008  | ppb   | .0000  | .0008   |     |                     |           |    |
| *** Sample ID:                   |        |       |        | Seq: 13 |     | 12:00:37            | 29 Dec 12 | HG |
|                                  |        |       |        |         |     | LCS 240-70255/2-A   |           |    |
| Hg                               | 4.891  | ppb   | .0000  | 4.891   |     |                     |           |    |
| *** Sample ID:                   |        |       |        | Seq: 14 |     | 12:02:15            | 29 Dec 12 | HG |
|                                  |        |       |        |         |     | 240-19161-U-1-A     |           |    |
| Hg                               | .0127  | ppb   | .0000  | .0127   |     |                     |           |    |
| *** Sample ID:                   |        |       |        | Seq: 15 |     | 12:03:44            | 29 Dec 12 | HG |
|                                  |        |       |        |         |     | 240-19161-U-1-B MS  |           |    |
| Hg                               | .9920  | ppb   | .0000  | .9920   |     |                     |           |    |
| *** Sample ID:                   |        |       |        | Seq: 16 |     | 12:05:15            | 29 Dec 12 | HG |
|                                  |        |       |        |         |     | 240-19161-U-1-C MSD |           |    |
| Hg                               | .9986  | ppb   | .0000  | .9986   |     |                     |           |    |

| Line                  | Conc.   | Units   | SD/RSD     | 1                   | 2      | 3        | 4         | 5  |
|-----------------------|---------|---------|------------|---------------------|--------|----------|-----------|----|
| -----                 |         |         |            |                     |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 17             |        | 12:06:45 | 29 Dec 12 | HG |
|                       |         |         |            | 240-18703-V-24-A    |        |          |           |    |
| Hg                    | -0.0032 | ppb     | .0000      | -0.0032             |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 18             |        | 12:08:41 | 29 Dec 12 | HG |
|                       |         |         |            | 240-18735-S-4-A     |        |          |           |    |
| Hg                    | -0.0012 | ppb     | .0000      | -0.0012             |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 19             |        | 12:10:47 | 29 Dec 12 | HG |
|                       |         |         |            | 240-18735-S-3-A     |        |          |           |    |
| Hg                    | -0.0007 | ppb     | .0000      | -0.0007             |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 20             |        | 12:12:08 | 29 Dec 12 | HG |
|                       |         |         |            | cra                 |        |          |           |    |
| Hg                    | .2165   | ppb     | .0000      | .2165               |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 21             |        | 12:13:29 | 29 Dec 12 | HG |
|                       |         |         |            | LB 240-70426/1-D    |        |          |           |    |
| Hg                    | -0.0081 | ppb     | .0000      | -0.0081             |        |          |           |    |
| *** Check Standard: 6 | Ck6CCV  |         |            | Seq: 22             |        | 12:14:48 | 29 Dec 12 | HG |
| Line                  | Flag    | %Rcv.   | Found      | True                | Units  | SD/RSD   |           |    |
| Hg                    |         | 98.83   | 4.941      | 5.000               | ppb    | .0000    |           |    |
| *** Check Standard: 1 | Ck1CCB  |         |            | Seq: 23             |        | 12:16:05 | 29 Dec 12 | HG |
| Line                  | Flag    | Found   | Range(+/-) | Units               | SD/RSD |          |           |    |
| Hg                    |         | -0.0513 | .2000      | ppb                 | .0000  |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 24             |        | 12:17:21 | 29 Dec 12 | HG |
|                       |         |         |            | MB 240-70482/2-A    |        |          |           |    |
| Hg                    | -0.0096 | ppb     | .0000      | -0.0096             |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 25             |        | 12:19:07 | 29 Dec 12 | HG |
|                       |         |         |            | LCS 240-70482/3-A   |        |          |           |    |
| Hg                    | 4.680   | ppb     | .0000      | 4.680               |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 26             |        | 12:20:33 | 29 Dec 12 | HG |
|                       |         |         |            | 240-18972-Z-1-F     |        |          |           |    |
| Hg                    | .0056   | ppb     | .0000      | .0056               |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 27             |        | 12:21:52 | 29 Dec 12 | HG |
|                       |         |         |            | 240-18972-Z-1-G MS  |        |          |           |    |
| Hg                    | 4.681   | ppb     | .0000      | 4.681               |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 28             |        | 12:23:32 | 29 Dec 12 | HG |
|                       |         |         |            | 240-18972-Z-1-H MSD |        |          |           |    |
| Hg                    | 4.703   | ppb     | .0000      | 4.703               |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 29             |        | 12:24:58 | 29 Dec 12 | HG |
|                       |         |         |            | LB 240-70215/1-E    |        |          |           |    |
| Hg                    | .0028   | ppb     | .0000      | .0028               |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 30             |        | 12:26:52 | 29 Dec 12 | HG |
|                       |         |         |            | MB 240-70288/2-A    |        |          |           |    |
| Hg                    | .0102   | ppb     | .0000      | .0102               |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 31             |        | 12:28:08 | 29 Dec 12 | HG |
|                       |         |         |            | LCS 240-70288/3-A   |        |          |           |    |
| Hg                    | 4.421   | ppb     | .0000      | 4.421               |        |          |           |    |
| *** Sample ID:        |         |         |            | Seq: 32             |        | 12:30:39 | 29 Dec 12 | HG |
|                       |         |         |            | 240-17699-A-1-F     |        |          |           |    |
| Hg                    | .0623   | ppb     | .0000      | .0623               |        |          |           |    |



| Line                  | Conc.  | Units  | SD/RSD     | 1                   | 2      | 3        | 4         | 5  |
|-----------------------|--------|--------|------------|---------------------|--------|----------|-----------|----|
| <hr/>                 |        |        |            |                     |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 33             |        | 12:31:57 | 29 Dec 12 | HG |
|                       |        |        |            | 240-17699-A-1-G MS  |        |          |           |    |
| Hg                    | 5.069  | ppb    | .0000      | 5.069               |        |          |           |    |
| *** Check Standard: 6 | Ck6CCV |        |            | Seq: 34             |        | 12:33:23 | 29 Dec 12 | HG |
| Line                  | Flag   | %Rcv.  | Found      | True                | Units  | SD/RSD   |           |    |
| Hg                    |        | 99.69  | 4.985      | 5.000               | ppb    | .0000    |           |    |
| *** Check Standard: 1 | Ck1CCB |        |            | Seq: 35             |        | 12:34:51 | 29 Dec 12 | HG |
| Line                  | Flag   | Found  | Range(+/-) | Units               | SD/RSD |          |           |    |
| Hg                    |        | -.0321 | .2000      | ppb                 | .0000  |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 36             |        | 12:36:09 | 29 Dec 12 | HG |
|                       |        |        |            | 240-17699-A-1-H MSD |        |          |           |    |
| Hg                    | 5.153  | ppb    | .0000      | 5.153               |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 37             |        | 12:37:36 | 29 Dec 12 | HG |
|                       |        |        |            | 240-19131-F-7-E     |        |          |           |    |
| Hg                    | -.0253 | ppb    | .0000      | -.0253              |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 38             |        | 12:39:46 | 29 Dec 12 | HG |
|                       |        |        |            | 240-19193-B-1-D     |        |          |           |    |
| Hg                    | -.0265 | ppb    | .0000      | -.0265              |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 39             |        | 12:41:06 | 29 Dec 12 | HG |
|                       |        |        |            | 240-19130-D-3-D     |        |          |           |    |
| Hg                    | .0125  | ppb    | .0000      | .0125               |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 40             |        | 12:42:33 | 29 Dec 12 | HG |
|                       |        |        |            | 240-19130-B-1-D     |        |          |           |    |
| Hg                    | .0261  | ppb    | .0000      | .0261               |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 41             |        | 12:44:10 | 29 Dec 12 | HG |
|                       |        |        |            | 240-19098-M-1-D     |        |          |           |    |
| Hg                    | .0689  | ppb    | .0000      | .0689               |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 42             |        | 12:45:31 | 29 Dec 12 | HG |
|                       |        |        |            | 240-19107-B-3-D     |        |          |           |    |
| Hg                    | -.0005 | ppb    | .0000      | -.0005              |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 43             |        | 12:47:10 | 29 Dec 12 | HG |
|                       |        |        |            | 240-19107-A-1-D     |        |          |           |    |
| Hg                    | .0193  | ppb    | .0000      | .0193               |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 44             |        | 12:49:28 | 29 Dec 12 | HG |
|                       |        |        |            | 240-19107-B-2-D     |        |          |           |    |
| Hg                    | -.0164 | ppb    | .0000      | -.0164              |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 45             |        | 12:51:07 | 29 Dec 12 | HG |
|                       |        |        |            | 240-19130-D-2-D     |        |          |           |    |
| Hg                    | -.0136 | ppb    | .0000      | -.0136              |        |          |           |    |
| *** Check Standard: 6 | Ck6CCV |        |            | Seq: 46             |        | 12:52:33 | 29 Dec 12 | HG |
| Line                  | Flag   | %Rcv.  | Found      | True                | Units  | SD/RSD   |           |    |
| Hg                    |        | 98.34  | 4.917      | 5.000               | ppb    | .0000    |           |    |
| *** Check Standard: 1 | Ck1CCB |        |            | Seq: 47             |        | 12:54:11 | 29 Dec 12 | HG |
| Line                  | Flag   | Found  | Range(+/-) | Units               | SD/RSD |          |           |    |
| Hg                    |        | -.0356 | .2000      | ppb                 | .0000  |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 48             |        | 12:55:49 | 29 Dec 12 | HG |
|                       |        |        |            | 240-18887-B-1-E     |        |          |           |    |
| Hg                    | .0016  | ppb    | .0000      | .0016               |        |          |           |    |

*Closing  
CRA (low)  
12/31/12*

| Line                                    | Conc.  | Units | SD/RSD | 1                   | 2   | 3        | 4         | 5  |
|-----------------------------------------|--------|-------|--------|---------------------|-----|----------|-----------|----|
| -----                                   |        |       |        |                     |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 49             |     | 12:57:40 | 29 Dec 12 | HG |
|                                         |        |       |        | LB 240-70416/1-D    |     |          |           |    |
| Hg                                      | .0112  | ppb   | .0000  | .0112               |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 50             |     | 12:59:01 | 29 Dec 12 | HG |
|                                         |        |       |        | MB 240-70478/2-A    |     |          |           |    |
| Hg                                      | -.0427 | ppb   | .0000  | -.0427              |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 51             |     | 13:00:21 | 29 Dec 12 | HG |
|                                         |        |       |        | LCS 240-70478/3-A   |     |          |           |    |
| Hg                                      | 4.530  | ppb   | .0000  | 4.530               |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 52             |     | 13:01:41 | 29 Dec 12 | HG |
|                                         |        |       |        | 240-18972-T-2-F     |     |          |           |    |
| SX Hg                                   | 29.26  | H ppb | .0000  | 29.26               |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 53             |     | 13:03:13 | 29 Dec 12 | HG |
|                                         |        |       |        | 240-18972-T-2-G MS  |     |          |           |    |
| SX Hg                                   | 27.55  | H ppb | .0000  | 27.55               |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 54             |     | 13:04:41 | 29 Dec 12 | HG |
|                                         |        |       |        | 240-18972-T-2-H MSD |     |          |           |    |
| SX Hg                                   | 29.05  | H ppb | .0000  | 29.05               |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 55             |     | 13:06:20 | 29 Dec 12 | HG |
|                                         |        |       |        | 240-19119-A-2-E     |     |          |           |    |
| Hg                                      | .1357  | ppb   | .0000  | .1357               |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 56             |     | 13:07:40 | 29 Dec 12 | HG |
|                                         |        |       |        | MB 240-70391/1-A    |     |          |           |    |
| Hg                                      | .1347  | ppb   | .0000  | .1347               |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 57             |     | 13:09:19 | 29 Dec 12 | HG |
|                                         |        |       |        | LCS 240-70391/2-A   |     |          |           |    |
| Hg                                      | 4.633  | ppb   | .0000  | 4.633               |     |          |           |    |
| *** Check Standard: 6 Ck6CCV            |        |       |        | Seq: 58             |     | 13:10:38 | 29 Dec 12 | HG |
| Line Flag %Rcv. Found True Units SD/RSD |        |       |        |                     |     |          |           |    |
| Hg                                      | 99.85  |       | 4.993  | 5.000               | ppb | .0000    |           |    |
| *** Check Standard: 1 Ck1CCB            |        |       |        | Seq: 59             |     | 13:12:07 | 29 Dec 12 | HG |
| Line Flag Found Range(+/-) Units SD/RSD |        |       |        |                     |     |          |           |    |
| Hg                                      | .0109  |       | .2000  |                     | ppb | .0000    |           |    |
| *** Check Standard: 6 Ck6CCV            |        |       |        | Seq: 60             |     | 13:14:44 | 29 Dec 12 | HG |
| Line Flag %Rcv. Found True Units SD/RSD |        |       |        |                     |     |          |           |    |
| Hg                                      | 98.34  |       | 4.917  | 5.000               | ppb | .0000    |           |    |
| *** Check Standard: 1 Ck1CCB            |        |       |        | Seq: 61             |     | 13:16:11 | 29 Dec 12 | HG |
| Line Flag Found Range(+/-) Units SD/RSD |        |       |        |                     |     |          |           |    |
| Hg                                      | .0152  |       | .2000  |                     | ppb | .0000    |           |    |
| *** Sample ID:                          |        |       |        | Seq: 62             |     | 13:17:27 | 29 Dec 12 | HG |
|                                         |        |       |        | 240-18839-X-3-A     |     |          |           |    |
| Hg                                      | .0768  | ppb   | .0000  | .0768               |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 63             |     | 13:18:46 | 29 Dec 12 | HG |
|                                         |        |       |        | 240-18839-X-3-B MS  |     |          |           |    |
| Hg                                      | .9039  | ppb   | .0000  | .9039               |     |          |           |    |
| *** Sample ID:                          |        |       |        | Seq: 64             |     | 13:20:02 | 29 Dec 12 | HG |
|                                         |        |       |        | 240-18839-X-3-C MSD |     |          |           |    |
| Hg                                      | .9368  | ppb   | .0000  | .9368               |     |          |           |    |

\*\*\*POST-RUN REPORT\*\*\*

| Line                                                       | Conc.  | Units  | SD/RSD     | 1                   | 2      | 3      | 4 | 5 |
|------------------------------------------------------------|--------|--------|------------|---------------------|--------|--------|---|---|
| *** Sample ID: Seq: 65 13:21:51 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18839-Y-3-A     |        |        |   |   |
| Hg                                                         | .0347  | ppb    | .0000      | .0347               |        |        |   |   |
| *** Sample ID: Seq: 66 13:23:10 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18839-Y-3-C MSD |        |        |   |   |
| Hg                                                         | .8267  | ppb    | .0000      | .8267               |        |        |   |   |
| *** Sample ID: Seq: 67 13:24:49 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18839-Y-3-B MS  |        |        |   |   |
| Hg                                                         | .8922  | ppb    | .0000      | .8922               |        |        |   |   |
| *** Sample ID: Seq: 68 13:26:49 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18839-C-4-A     |        |        |   |   |
| Hg                                                         | .0137  | ppb    | .0000      | .0137               |        |        |   |   |
| *** Sample ID: Seq: 69 13:28:07 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18764-G-9-B     |        |        |   |   |
| Hg                                                         | .0023  | ppb    | .0000      | .0023               |        |        |   |   |
| *** Sample ID: Seq: 70 13:29:46 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18764-D-5-B     |        |        |   |   |
| Hg                                                         | .0082  | ppb    | .0000      | .0082               |        |        |   |   |
| *** Sample ID: Seq: 71 13:31:06 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18839-D-4-A     |        |        |   |   |
| Hg                                                         | .0200  | ppb    | .0000      | .0200               |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 72 13:32:23 29 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                       | Flag   | %Rcv.  | Found      | True                | Units  | SD/RSD |   |   |
| Hg                                                         |        | 98.69  | 4.935      | 5.000               | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 73 13:33:40 29 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                       | Flag   | Found  | Range(+/-) | Units               | SD/RSD |        |   |   |
| Hg                                                         |        | -.0341 | .2000      | ppb                 | .0000  |        |   |   |
| *** Sample ID: Seq: 74 13:36:27 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18839-I-6-A     |        |        |   |   |
| Hg                                                         | -.0012 | ppb    | .0000      | -.0012              |        |        |   |   |
| *** Sample ID: Seq: 75 13:37:45 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-19187-A-4-B     |        |        |   |   |
| Hg                                                         | .0259  | ppb    | .0000      | .0259               |        |        |   |   |
| *** Sample ID: Seq: 76 13:39:15 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18839-I-5-A     |        |        |   |   |
| Hg                                                         | .0249  | ppb    | .0000      | .0249               |        |        |   |   |
| *** Sample ID: Seq: 77 13:40:33 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18839-J-5-A     |        |        |   |   |
| Hg                                                         | -.0111 | ppb    | .0000      | -.0111              |        |        |   |   |
| *** Sample ID: Seq: 78 13:42:22 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18764-G-8-B     |        |        |   |   |
| Hg                                                         | .0008  | ppb    | .0000      | .0008               |        |        |   |   |
| *** Sample ID: Seq: 79 13:44:00 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18839-C-1-B     |        |        |   |   |
| Hg                                                         | .0064  | ppb    | .0000      | .0064               |        |        |   |   |
| *** Sample ID: Seq: 80 13:45:47 29 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-19187-A-7-B     |        |        |   |   |
| Hg                                                         | .0775  | ppb    | .0000      | .0775               |        |        |   |   |

| Line                                                       | Conc.   | Units  | SD/RSD     | 1                    | 2      | 3      | 4 | 5 |
|------------------------------------------------------------|---------|--------|------------|----------------------|--------|--------|---|---|
| *** Sample ID: Seq: 81 13:47:06 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | 240-19187-A-2-B      |        |        |   |   |
| Hg                                                         | .0114   | ppb    | .0000      | .0114                |        |        |   |   |
| *** Sample ID: Seq: 82 13:48:52 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | 240-19084-I-1-A      |        |        |   |   |
| Hg                                                         | -.0037  | ppb    | .0000      | -.0037               |        |        |   |   |
| *** Sample ID: Seq: 83 13:50:09 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | 240-18839-D-2-B      |        |        |   |   |
| Hg                                                         | .0127   | ppb    | .0000      | .0127                |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 84 13:51:46 29 Dec 12 HG |         |        |            |                      |        |        |   |   |
| Line                                                       | Flag    | %Rcv.  | Found      | True                 | Units  | SD/RSD |   |   |
| Hg                                                         |         | 98.85  | 4.943      | 5.000                | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 85 13:53:08 29 Dec 12 HG |         |        |            |                      |        |        |   |   |
| Line                                                       | Flag    | Found  | Range(+/-) | Units                | SD/RSD |        |   |   |
| Hg                                                         |         | -.0313 | .2000      | ppb                  | .0000  |        |   |   |
| *** Sample ID: Seq: 86 13:54:54 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | 240-18764-D-10-B     |        |        |   |   |
| Hg                                                         | .0066   | ppb    | .0000      | .0066                |        |        |   |   |
| *** Sample ID: Seq: 87 13:56:43 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | 240-18764-D-6-B      |        |        |   |   |
| Hg                                                         | .0071   | ppb    | .0000      | .0071                |        |        |   |   |
| *** Sample ID: Seq: 88 13:58:05 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | 240-18839-J-6-A      |        |        |   |   |
| Hg                                                         | -.0050  | ppb    | .0000      | -.0050               |        |        |   |   |
| *** Sample ID: Seq: 89 13:59:47 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | 240-18764-G-7-B      |        |        |   |   |
| Hg                                                         | .0132   | ppb    | .0000      | .0132                |        |        |   |   |
| *** Sample ID: Seq: 90 14:01:18 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | 240-18972-T-2-F@5    |        |        |   |   |
| 10X Hg                                                     | 15.54 H | ppb    | .0000      | 15.54                |        |        |   |   |
| *** Sample ID: Seq: 91 14:03:16 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | 240-18972-T-2-GMS@5  |        |        |   |   |
| 10X Hg                                                     | 16.10 H | ppb    | .0000      | 16.10                |        |        |   |   |
| *** Sample ID: Seq: 92 14:04:46 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | 240-18972-T-2-HMSD@5 |        |        |   |   |
| 10X Hg                                                     | 15.74 H | ppb    | .0000      | 15.74                |        |        |   |   |
| *** Sample ID: Seq: 93 14:06:02 29 Dec 12 HG               |         |        |            |                      |        |        |   |   |
|                                                            |         |        |            | cra                  |        |        |   |   |
| Hg                                                         | .1069   | ppb    | .0000      | .1069                |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 94 14:07:31 29 Dec 12 HG |         |        |            |                      |        |        |   |   |
| Line                                                       | Flag    | %Rcv.  | Found      | True                 | Units  | SD/RSD |   |   |
| Hg                                                         |         | 98.94  | 4.947      | 5.000                | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 95 14:08:48 29 Dec 12 HG |         |        |            |                      |        |        |   |   |
| Line                                                       | Flag    | Found  | Range(+/-) | Units                | SD/RSD |        |   |   |
| Hg                                                         |         | -.0215 | .2000      | ppb                  | .0000  |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 96 14:10:21 29 Dec 12 HG |         |        |            |                      |        |        |   |   |
| Line                                                       | Flag    | %Rcv.  | Found      | True                 | Units  | SD/RSD |   |   |
| Hg                                                         |         | 99.23  | 4.961      | 5.000                | ppb    | .0000  |   |   |

| Line                                                        | Conc.  | Units  | SD/RSD              | 1      | 2      | 3      | 4 | 5 |
|-------------------------------------------------------------|--------|--------|---------------------|--------|--------|--------|---|---|
| *** Check Standard: 1 Ck1CCB Seq: 97 14:11:36 29 Dec 12 HG  |        |        |                     |        |        |        |   |   |
| Line                                                        | Flag   | Found  | Range(+/-)          | Units  | SD/RSD |        |   |   |
| Hg                                                          |        | -.0281 | .2000               | ppb    | .0000  |        |   |   |
| *** Sample ID: Seq: 98 14:13:24 29 Dec 12 HG                |        |        |                     |        |        |        |   |   |
|                                                             |        |        | MB 240-70547/1-A    |        |        |        |   |   |
| Hg                                                          | .0190  | ppb    | .0000               | .0190  |        |        |   |   |
| *** Sample ID: Seq: 99 14:14:38 29 Dec 12 HG                |        |        |                     |        |        |        |   |   |
|                                                             |        |        | LCS 240-70547/2-A   |        |        |        |   |   |
| Hg                                                          | 5.576  | ppb    | .0000               | 5.576  |        |        |   |   |
| *** Sample ID: Seq: 100 14:16:16 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-18839-C-7-B     |        |        |        |   |   |
| Hg                                                          | .0350  | ppb    | .0000               | .0350  |        |        |   |   |
| *** Sample ID: Seq: 101 14:17:36 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-18839-C-7-C MS  |        |        |        |   |   |
| Hg                                                          | 1.022  | ppb    | .0000               | 1.022  |        |        |   |   |
| *** Sample ID: Seq: 102 14:19:02 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-18839-C-7-D MSD |        |        |        |   |   |
| Hg                                                          | .9892  | ppb    | .0000               | .9892  |        |        |   |   |
| *** Sample ID: Seq: 103 14:20:33 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-18839-I-8-B     |        |        |        |   |   |
| Hg                                                          | .0390  | ppb    | .0000               | .0390  |        |        |   |   |
| *** Sample ID: Seq: 104 14:21:49 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-18839-J-8-B     |        |        |        |   |   |
| Hg                                                          | .0079  | ppb    | .0000               | .0079  |        |        |   |   |
| *** Sample ID: Seq: 105 14:23:06 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-19282-B-2-A     |        |        |        |   |   |
| Hg                                                          | .0107  | ppb    | .0000               | .0107  |        |        |   |   |
| *** Sample ID: Seq: 106 14:24:22 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-19084-I-3-A     |        |        |        |   |   |
| Hg                                                          | .0454  | ppb    | .0000               | .0454  |        |        |   |   |
| *** Sample ID: Seq: 107 14:25:43 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-19230-N-2-B     |        |        |        |   |   |
| Hg                                                          | .0084  | ppb    | .0000               | .0084  |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 108 14:27:03 29 Dec 12 HG |        |        |                     |        |        |        |   |   |
| Line                                                        | Flag   | %Rcv.  | Found               | True   | Units  | SD/RSD |   |   |
| Hg                                                          |        | 99.71  | 4.985               | 5.000  | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 109 14:29:00 29 Dec 12 HG |        |        |                     |        |        |        |   |   |
| Line                                                        | Flag   | Found  | Range(+/-)          | Units  | SD/RSD |        |   |   |
| Hg                                                          |        | -.0096 | .2000               | ppb    | .0000  |        |   |   |
| *** Sample ID: Seq: 110 14:30:39 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-19286-A-1-A     |        |        |        |   |   |
| Hg                                                          | -.0075 | ppb    | .0000               | -.0075 |        |        |   |   |
| *** Sample ID: Seq: 111 14:32:02 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-19230-N-4-B     |        |        |        |   |   |
| Hg                                                          | -.0083 | ppb    | .0000               | -.0083 |        |        |   |   |
| *** Sample ID: Seq: 112 14:33:27 29 Dec 12 HG               |        |        |                     |        |        |        |   |   |
|                                                             |        |        | 240-19240-E-1-A     |        |        |        |   |   |
| Hg                                                          | .0355  | ppb    | .0000               | .0355  |        |        |   |   |

| Line                                                        | Conc.   | Units   | SD/RSD     | 1                 | 2      | 3      | 4 | 5 |
|-------------------------------------------------------------|---------|---------|------------|-------------------|--------|--------|---|---|
| *** Sample ID: Seq: 113 14:35:32 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19230-N-1-B   |        |        |   |   |
| Hg                                                          | -0.0167 | ppb     | .0000      | -0.0167           |        |        |   |   |
| *** Sample ID: Seq: 114 14:37:09 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19230-K-7-B   |        |        |   |   |
| Hg                                                          | -0.0086 | ppb     | .0000      | -0.0086           |        |        |   |   |
| *** Sample ID: Seq: 115 14:38:35 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19084-I-6-A   |        |        |   |   |
| Hg                                                          | -0.0070 | ppb     | .0000      | -0.0070           |        |        |   |   |
| *** Sample ID: Seq: 116 14:40:15 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19084-I-7-A   |        |        |   |   |
| Hg                                                          | 0.0026  | ppb     | .0000      | 0.0026            |        |        |   |   |
| *** Sample ID: Seq: 117 14:41:38 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19230-K-8-B   |        |        |   |   |
| Hg                                                          | -0.0050 | ppb     | .0000      | -0.0050           |        |        |   |   |
| *** Sample ID: Seq: 118 14:42:58 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19084-I-5-A   |        |        |   |   |
| Hg                                                          | 0.0023  | ppb     | .0000      | 0.0023            |        |        |   |   |
| *** Sample ID: Seq: 119 14:44:16 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19230-N-3-B   |        |        |   |   |
| Hg                                                          | 0.0092  | ppb     | .0000      | 0.0092            |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 120 14:45:32 29 Dec 12 HG |         |         |            |                   |        |        |   |   |
| Line                                                        | Flag    | %Rcv.   | Found      | True              | Units  | SD/RSD |   |   |
| Hg                                                          |         | 98.42   | 4.921      | 5.000             | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 121 14:47:11 29 Dec 12 HG |         |         |            |                   |        |        |   |   |
| Line                                                        | Flag    | Found   | Range(+/-) | Units             | SD/RSD |        |   |   |
| Hg                                                          |         | -0.0121 | .2000      | ppb               | .0000  |        |   |   |
| *** Sample ID: Seq: 122 14:48:31 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19246-A-1-A   |        |        |   |   |
| Hg                                                          | -0.0022 | ppb     | .0000      | -0.0022           |        |        |   |   |
| *** Sample ID: Seq: 123 14:49:58 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-18839-D-7-B   |        |        |   |   |
| Hg                                                          | -0.0108 | ppb     | .0000      | -0.0108           |        |        |   |   |
| *** Sample ID: Seq: 124 14:51:54 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19084-I-2-A   |        |        |   |   |
| Hg                                                          | -0.0053 | ppb     | .0000      | -0.0053           |        |        |   |   |
| *** Sample ID: Seq: 125 14:53:12 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19084-I-4-A   |        |        |   |   |
| Hg                                                          | -0.0010 | ppb     | .0000      | -0.0010           |        |        |   |   |
| *** Sample ID: Seq: 126 14:54:28 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | MB 240-70548/1-A  |        |        |   |   |
| Hg                                                          | -0.0022 | ppb     | .0000      | -0.0022           |        |        |   |   |
| *** Sample ID: Seq: 127 14:56:08 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | LCS 240-70548/2-A |        |        |   |   |
| Hg                                                          | 5.240   | ppb     | .0000      | 5.240             |        |        |   |   |
| *** Sample ID: Seq: 128 14:57:29 29 Dec 12 HG               |         |         |            |                   |        |        |   |   |
|                                                             |         |         |            | 240-19198-J-1-A   |        |        |   |   |
| Hg                                                          | -0.0103 | ppb     | .0000      | -0.0103           |        |        |   |   |

| Line                                                        | Conc.   | Units   | SD/RSD     | 1       | 2      | 3      | 4 | 5 |
|-------------------------------------------------------------|---------|---------|------------|---------|--------|--------|---|---|
| *** Sample ID: Seq: 129 14:58:44 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19198-J-1-B MS                                          |         |         |            |         |        |        |   |   |
| Hg                                                          | 1.035   | ppb     | .0000      | 1.035   |        |        |   |   |
| *** Sample ID: Seq: 130 15:00:47 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19198-J-1-C MSD                                         |         |         |            |         |        |        |   |   |
| Hg                                                          | 1.053   | ppb     | .0000      | 1.053   |        |        |   |   |
| *** Sample ID: Seq: 131 15:02:04 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-18925-J-1-A                                             |         |         |            |         |        |        |   |   |
| Hg                                                          | -0.0194 | ppb     | .0000      | -0.0194 |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 132 15:03:22 29 Dec 12 HG |         |         |            |         |        |        |   |   |
| Line                                                        | Flag    | %Rcv.   | Found      | True    | Units  | SD/RSD |   |   |
| Hg                                                          |         | 96.84   | 4.842      | 5.000   | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 133 15:04:40 29 Dec 12 HG |         |         |            |         |        |        |   |   |
| Line                                                        | Flag    | Found   | Range(+/-) | Units   | SD/RSD |        |   |   |
| Hg                                                          |         | -0.0108 | .2000      | ppb     | .0000  |        |   |   |
| *** Sample ID: Seq: 134 15:06:18 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19338-G-4-A                                             |         |         |            |         |        |        |   |   |
| Hg                                                          | .0011   | ppb     | .0000      | .0011   |        |        |   |   |
| *** Sample ID: Seq: 135 15:07:35 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-18925-I-1-A                                             |         |         |            |         |        |        |   |   |
| Hg                                                          | .0036   | ppb     | .0000      | .0036   |        |        |   |   |
| *** Sample ID: Seq: 136 15:09:05 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19338-G-5-A                                             |         |         |            |         |        |        |   |   |
| Hg                                                          | .1793   | ppb     | .0000      | .1793   |        |        |   |   |
| *** Sample ID: Seq: 137 15:11:03 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19180-A-2-A                                             |         |         |            |         |        |        |   |   |
| Hg                                                          | .0140   | ppb     | .0000      | .0140   |        |        |   |   |
| *** Sample ID: Seq: 138 15:12:19 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19338-G-1-A                                             |         |         |            |         |        |        |   |   |
| Hg                                                          | -0.0162 | ppb     | .0000      | -0.0162 |        |        |   |   |
| *** Sample ID: Seq: 139 15:13:35 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19338-G-6-A                                             |         |         |            |         |        |        |   |   |
| Hg                                                          | .0140   | ppb     | .0000      | .0140   |        |        |   |   |
| *** Sample ID: Seq: 140 15:14:51 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19255-A-13-B                                            |         |         |            |         |        |        |   |   |
| Hg                                                          | -0.0010 | ppb     | .0000      | -0.0010 |        |        |   |   |
| *** Sample ID: Seq: 141 15:16:28 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19338-G-2-A                                             |         |         |            |         |        |        |   |   |
| Hg                                                          | -0.0162 | ppb     | .0000      | -0.0162 |        |        |   |   |
| *** Sample ID: Seq: 142 15:17:54 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19306-C-1-A                                             |         |         |            |         |        |        |   |   |
| Hg                                                          | .0897   | ppb     | .0000      | .0897   |        |        |   |   |
| *** Sample ID: Seq: 143 15:19:15 29 Dec 12 HG               |         |         |            |         |        |        |   |   |
| 240-19180-A-6-A                                             |         |         |            |         |        |        |   |   |
| Hg                                                          | .0076   | ppb     | .0000      | .0076   |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 144 15:21:03 29 Dec 12 HG |         |         |            |         |        |        |   |   |
| Line                                                        | Flag    | %Rcv.   | Found      | True    | Units  | SD/RSD |   |   |
| Hg                                                          |         | 95.25   | 4.763      | 5.000   | ppb    | .0000  |   |   |

| Line                                                        | Conc.   | Units  | SD/RSD               | 1      | 2      | 3      | 4 | 5 |
|-------------------------------------------------------------|---------|--------|----------------------|--------|--------|--------|---|---|
| *** Check Standard: 1 Ck1CCB Seq: 145 15:22:32 29 Dec 12 HG |         |        |                      |        |        |        |   |   |
| Line                                                        | Flag    | Found  | Range(+/-)           | Units  | SD/RSD |        |   |   |
| Hg                                                          |         | -.0407 | .2000                | ppb    | .0000  |        |   |   |
| *** Sample ID: Seq: 146 15:24:00 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-19180-A-4-A      |        |        |        |   |   |
| Hg                                                          | -.0045  | ppb    | .0000                | -.0045 |        |        |   |   |
| *** Sample ID: Seq: 147 15:25:27 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-19212-I-1-A      |        |        |        |   |   |
| Hg                                                          | .0135   | ppb    | .0000                | .0135  |        |        |   |   |
| *** Sample ID: Seq: 148 15:26:46 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-18925-C-2-A      |        |        |        |   |   |
| Hg                                                          | .0145   | ppb    | .0000                | .0145  |        |        |   |   |
| *** Sample ID: Seq: 149 15:28:23 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-18925-D-2-A      |        |        |        |   |   |
| Hg                                                          | -.0032  | ppb    | .0000                | -.0032 |        |        |   |   |
| *** Sample ID: Seq: 150 15:30:16 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-19180-A-10-A     |        |        |        |   |   |
| Hg                                                          | .0163   | ppb    | .0000                | .0163  |        |        |   |   |
| *** Sample ID: Seq: 151 15:31:32 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-19338-G-3-A      |        |        |        |   |   |
| Hg                                                          | .0033   | ppb    | .0000                | .0033  |        |        |   |   |
| *** Sample ID: Seq: 152 15:32:58 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-19180-A-8-A      |        |        |        |   |   |
| Hg                                                          | -.0151  | ppb    | .0000                | -.0151 |        |        |   |   |
| *** Sample ID: Seq: 153 15:34:17 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-18983-A-1-A      |        |        |        |   |   |
| Hg                                                          | .0142   | ppb    | .0000                | .0142  |        |        |   |   |
| *** Sample ID: Seq: 154 15:35:45 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-18972-T-2-F@10   |        |        |        |   |   |
| Hg                                                          | 10.78 H | ppb    | .0000                | 10.78  |        |        |   |   |
| *** Sample ID: Seq: 155 15:37:03 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-18972-T-2-GMS@10 |        |        |        |   |   |
| Hg                                                          | 11.11 H | ppb    | .0000                | 11.11  |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 156 15:38:30 29 Dec 12 HG |         |        |                      |        |        |        |   |   |
| Line                                                        | Flag    | %Rcv.  | Found                | True   | Units  | SD/RSD |   |   |
| Hg                                                          |         | 96.78  | 4.839                | 5.000  | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 157 15:39:47 29 Dec 12 HG |         |        |                      |        |        |        |   |   |
| Line                                                        | Flag    | Found  | Range(+/-)           | Units  | SD/RSD |        |   |   |
| Hg                                                          |         | -.0291 | .2000                | ppb    | .0000  |        |   |   |
| *** Sample ID: Seq: 158 15:41:47 29 Dec 12 HG               |         |        |                      |        |        |        |   |   |
|                                                             |         |        | 240-18972-T-2- MSD@1 |        |        |        |   |   |
| Hg                                                          | 10.98 H | ppb    | .0000                | 10.98  |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 159 15:43:14 29 Dec 12 HG |         |        |                      |        |        |        |   |   |
| Line                                                        | Flag    | %Rcv.  | Found                | True   | Units  | SD/RSD |   |   |
| Hg                                                          |         | 96.39  | 4.819                | 5.000  | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 160 15:44:40 29 Dec 12 HG |         |        |                      |        |        |        |   |   |
| Line                                                        | Flag    | Found  | Range(+/-)           | Units  | SD/RSD |        |   |   |
| Hg                                                          |         | -.0141 | .2000                | ppb    | .0000  |        |   |   |



# TestAmerica North Canton Hg Data Review Checklist

## Run/Project Information:

Circle Methods used: 7470A / 245.1 : 7471:

Run Date: 12/20/12 Analyst: DSH Instrument: H4

## Review Items

| A. Calibration/Instrument Run QC                                                        | Yes | No | N/A | 2nd Level |
|-----------------------------------------------------------------------------------------|-----|----|-----|-----------|
| 1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?   | ✓   |    |     | ✓         |
| 2. ICV/CCV analyzed at appropriate frequency and within control limits?                 | ✓   |    |     | ✓         |
| 3. ICB/CCB analyzed at appropriate frequency and within +/- RL?                         | ✓   |    |     | ✓         |
| 4. CRA run?                                                                             | ✓   |    |     | ✓         |
| B. Sample Results                                                                       |     |    |     |           |
| 1. Were samples with concentrations > high calibration standard diluted and reanalyzed? |     |    | ✓   | ✓         |
| 2. All reported results bracketed by in control QC?                                     | ✓   |    |     | ✓         |
| 3. Sample analyses done within holding time?                                            | ✓   |    |     | ✓         |
| C. Preparation/ Matrix QC                                                               |     |    |     |           |
| 1. LCS done per prep batch and within QC limits?                                        | ✓   |    |     | ✓         |
| 2. Method blank done per prep batch and < RL?                                           | ✓   |    |     | ✓         |
| 3. MS run at required frequency and within limits?                                      | ✓   |    |     | ✓         |
| 4. MSD or DU run at required frequency and RPD within SOP limits?                       | ✓   |    |     | ✓         |
| D. Other                                                                                |     |    |     |           |
| 1. Are all nonconformances documented appropriately?                                    |     |    | ✓   | ✓         |
| 2. Current IDL/MDL data on file?                                                        | ✓   |    |     | ✓         |
| 3. Calculations and Transcription checked for error?                                    | ✓   |    |     | ✓         |
| 4. All client/project specific requirements met?                                        | ✓   |    |     | ✓         |
| 5. Date of analysis verified as correct?                                                | ✓   |    |     | ✓         |

## Level I

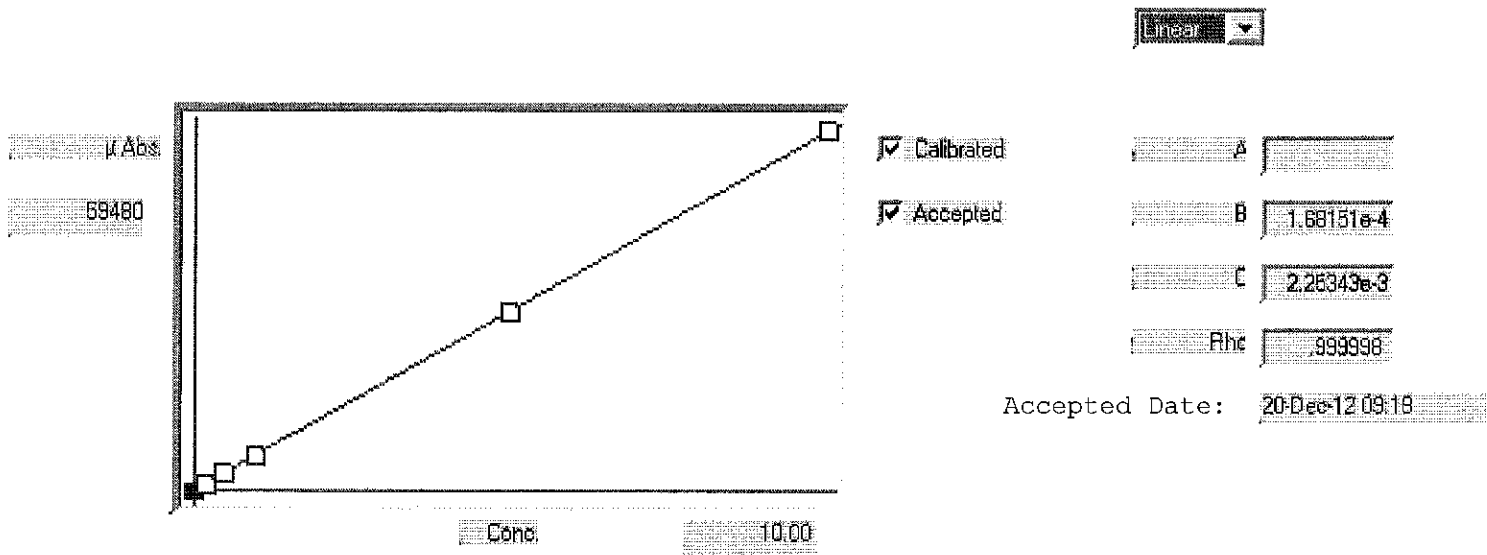
Analyst: [Signature] Date/Time: 12/20/12 Reviewed from 9:06 to 15:06  
 Analyst: [Signature] Date/Time: 12/24/12 Reviewed from 15:34 to 19:45  
 Comments: Batch# 69685 DOD LCA TELP lines 104 → 113

## Level II

Reviewer: [Signature] Date/Time: 12/20/12 Reviewed from 9:06 to 15:06  
 Reviewer: [Signature] Date/Time: 12-24-12 Reviewed from 15:34 to 19:45  
 Comments:

Curve Date 12/19/12 Curve Time 10:24-12:24P DILUTION H20 N/A  
 Revised 11/29/2012

Protocol: 1220AHG4



| S  | Conc   | Calc  | Dev    | Mean  | SD or %RSD | Rep 1 | Rep 2 | Rep 3 | Rep 4 | Rep 5 |
|----|--------|-------|--------|-------|------------|-------|-------|-------|-------|-------|
| 01 | .00000 | .0137 | .0137  | 68    | 1          | 68    |       |       |       |       |
| 02 | .20000 | .1931 | -.0069 | 1135  | 0%         | 1135  |       |       |       |       |
| 03 | .50000 | .5035 | .0035  | 2982  | 0%         | 2981  |       |       |       |       |
| 04 | 1.0000 | .9922 | -.0078 | 5888  | 0%         | 5887  |       |       |       |       |
| 05 | 5.0000 | 4.994 | -.0063 | 29685 | 0%         | 29684 |       |       |       |       |
| 06 | 10.000 | 10.00 | .0039  | 59480 | 0%         | 59480 |       |       |       |       |
| 07 |        |       |        |       |            |       |       |       |       |       |
| 08 |        |       |        |       |            |       |       |       |       |       |
| 09 |        |       |        |       |            |       |       |       |       |       |
| 10 |        |       |        |       |            |       |       |       |       |       |

| Line                             | Conc.             | Units | SD/RSD | 1                 | 2   | 3                  | 4         | 5  |
|----------------------------------|-------------------|-------|--------|-------------------|-----|--------------------|-----------|----|
| *** Standard: 1 Rep: 1           |                   |       |        | Seq: 1            |     | 09:06:57           | 20 Dec 12 | HG |
| Hg                               | .0000             | ppb   | 68     |                   |     |                    |           |    |
| *** Standard: 2 Rep: 1           |                   |       |        | Seq: 2            |     | 09:09:00           | 20 Dec 12 | HG |
| Hg                               | .2000             | ppb   | 1135   |                   |     |                    |           |    |
| *** Standard: 3 Rep: 1           |                   |       |        | Seq: 3            |     | 09:11:03           | 20 Dec 12 | HG |
| Hg                               | .5000             | ppb   | 2981   |                   |     |                    |           |    |
| *** Standard: 4 Rep: 1           |                   |       |        | Seq: 4            |     | 09:12:53           | 20 Dec 12 | HG |
| Hg                               | 1.000             | ppb   | 5887   |                   |     |                    |           |    |
| *** Standard: 5 Rep: 1           |                   |       |        | Seq: 5            |     | 09:15:56           | 20 Dec 12 | HG |
| Hg                               | 5.000             | ppb   | 29684  |                   |     |                    |           |    |
| *** Standard: 6 Rep: 1           |                   |       |        | Seq: 6            |     | 09:18:01           | 20 Dec 12 | HG |
| Hg                               | 10.00             | ppb   | 59480  |                   |     |                    |           |    |
| *** Check Standard: 2 Ck2ICV     |                   |       |        | Seq: 7            |     | 09:20:05           | 20 Dec 12 | HG |
| Line Flag %Rcv. Found True Units |                   |       |        |                   |     | SD/RSD             |           |    |
| Hg                               |                   | 95.15 | 2.379  | 2.500             | ppb | .0000              |           |    |
| *** Check Standard: 3 Ck3ICB     |                   |       |        | Seq: 8            |     | 09:22:06           | 20 Dec 12 | HG |
| Line Flag %Rcv. Found True Units |                   |       |        |                   |     | SD/RSD             |           |    |
| Hg                               |                   | ^^^^^ | -.0072 | .0000             | ppb | .0000              |           |    |
| *** Check Standard: 4 Ck4CRA\MRL |                   |       |        | Seq: 9            |     | 09:24:04           | 20 Dec 12 | HG |
| Line Flag %Rcv. Found True Units |                   |       |        |                   |     | SD/RSD             |           |    |
| Hg                               |                   | 100.1 | .2002  | .2000             | ppb | .0000              |           |    |
| *** Check Standard: 6 Ck6CCV     |                   |       |        | Seq: 10           |     | 11:26:39           | 20 Dec 12 | HG |
| Line Flag %Rcv. Found True Units |                   |       |        |                   |     | SD/RSD             |           |    |
| Hg                               |                   | 97.74 | 4.887  | 5.000             | ppb | .0000              |           |    |
| *** Check Standard: 1 Ck1CCB     |                   |       |        | Seq: 11           |     | 11:29:18           | 20 Dec 12 | HG |
| Line Flag Found Range(+/-) Units |                   |       |        |                   |     | SD/RSD             |           |    |
| Hg                               |                   | .0023 | .6000  | ppb               |     | .0000              |           |    |
| *** Sample ID:                   |                   |       |        | Seq: 12           |     | 11:31:25           | 20 Dec 12 | HG |
|                                  |                   |       |        |                   |     | mb 240-69453/1-a   |           |    |
| Hg                               | <del>-.0025</del> | ppb   | .0000  | <del>-.0025</del> |     |                    |           |    |
| *** Sample ID:                   |                   |       |        | Seq: 13           |     | 11:33:38           | 20 Dec 12 | HG |
|                                  |                   |       |        |                   |     | lcs 240-69453/2-a  |           |    |
| Hg                               | <del>4.151</del>  | ppb   | .0000  | 4.151             |     |                    |           |    |
| *** Sample ID:                   |                   |       |        | Seq: 14           |     | 11:35:47           | 20 Dec 12 | HG |
|                                  |                   |       |        |                   |     | 240-18338-b-1-c    |           |    |
| Hg                               | <del>.0355</del>  | ppb   | .0000  | .0355             |     |                    |           |    |
| *** Sample ID:                   |                   |       |        | Seq: 15           |     | 11:38:56           | 20 Dec 12 | HG |
|                                  |                   |       |        |                   |     | 240-18710-a-1-h@10 |           |    |
| Hg                               | <del>-.0009</del> | ppb   | .0000  | -.0009            |     |                    |           |    |
| *** Sample ID:                   |                   |       |        | Seq: 16           |     | 11:41:26           | 20 Dec 12 | HG |
|                                  |                   |       |        |                   |     | mb 240-69383/1-a   |           |    |
| Hg                               | <del>-.0041</del> | ppb   | .0000  | -.0041            |     |                    |           |    |

| Line                                                       | Conc.  | Units  | SD/RSD     | 1                   | 2      | 3      | 4 | 5 |
|------------------------------------------------------------|--------|--------|------------|---------------------|--------|--------|---|---|
| *** Sample ID: Seq: 17 11:43:26 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | lcs 240-69383/2-a   |        |        |   |   |
| Hg                                                         | 4.990  | ppb    | .0000      | 4.990               |        |        |   |   |
| *** Sample ID: Seq: 18 11:45:45 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18827-o-3-b     |        |        |   |   |
| Hg                                                         | -.0056 | ppb    | .0000      | -.0056              |        |        |   |   |
| *** Sample ID: Seq: 19 11:47:35 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18827-o-3-c ms  |        |        |   |   |
| Hg                                                         | .9863  | ppb    | .0000      | .9863               |        |        |   |   |
| *** Sample ID: Seq: 20 11:49:26 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18827-o-3-d msd |        |        |   |   |
| Hg                                                         | .9812  | ppb    | .0000      | .9812               |        |        |   |   |
| *** Sample ID: Seq: 21 11:51:49 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18827-o-7-b     |        |        |   |   |
| Hg                                                         | .0063  | ppb    | .0000      | .0063               |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 22 11:54:20 20 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                       | Flag   | %Rcv.  | Found      | True                | Units  | SD/RSD |   |   |
| Hg                                                         |        | 98.69  | 4.934      | 5.000               | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 23 11:56:11 20 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                       | Flag   | Found  | Range(+/-) | Units               | SD/RSD |        |   |   |
| Hg                                                         |        | -.0400 | .6000      | ppb                 | .0000  |        |   |   |
| *** Sample ID: Seq: 24 11:58:01 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18827-o-4-b     |        |        |   |   |
| Hg                                                         | .0058  | ppb    | .0000      | .0058               |        |        |   |   |
| *** Sample ID: Seq: 25 12:00:14 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18853-k-6-b     |        |        |   |   |
| Hg                                                         | .0113  | ppb    | .0000      | .0113               |        |        |   |   |
| *** Sample ID: Seq: 26 12:02:04 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18992-b-1-a     |        |        |   |   |
| Hg                                                         | .0071  | ppb    | .0000      | .0071               |        |        |   |   |
| *** Sample ID: Seq: 27 12:03:51 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18827-o-6-b     |        |        |   |   |
| Hg                                                         | .0058  | ppb    | .0000      | .0058               |        |        |   |   |
| *** Sample ID: Seq: 28 12:05:45 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18840-f-2-b     |        |        |   |   |
| Hg                                                         | .0155  | ppb    | .0000      | .0155               |        |        |   |   |
| *** Sample ID: Seq: 29 12:07:34 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18827-o-5-b     |        |        |   |   |
| Hg                                                         | .0056  | ppb    | .0000      | .0056               |        |        |   |   |
| *** Sample ID: Seq: 30 12:09:35 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18853-k-4-b     |        |        |   |   |
| Hg                                                         | .0083  | ppb    | .0000      | .0083               |        |        |   |   |
| *** Sample ID: Seq: 31 12:11:56 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18853-k-2-b     |        |        |   |   |
| Hg                                                         | .0110  | ppb    | .0000      | .0110               |        |        |   |   |
| *** Sample ID: Seq: 32 12:13:45 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                            |        |        |            | 240-18853-k-10-b    |        |        |   |   |
| Hg                                                         | .0091  | ppb    | .0000      | .0091               |        |        |   |   |

\*\*\*POST-RUN REPORT\*\*\*

| Line                                                       | Conc. | Units  | SD/RSD     | 1                 | 2      | 3      | 4 | 5 |
|------------------------------------------------------------|-------|--------|------------|-------------------|--------|--------|---|---|
| *** Sample ID: Seq: 33 12:15:34 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | 240-18853-k-9-b   |        |        |   |   |
| Hg                                                         | .0250 | ppb    | .0000      | .0250             |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 34 12:17:25 20 Dec 12 HG |       |        |            |                   |        |        |   |   |
| Line                                                       | Flag  | %Rcv.  | Found      | True              | Units  | SD/RSD |   |   |
| Hg                                                         |       | 100.2  | 5.012      | 5.000             | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 35 12:19:24 20 Dec 12 HG |       |        |            |                   |        |        |   |   |
| Line                                                       | Flag  | Found  | Range(+/-) | Units             | SD/RSD |        |   |   |
| Hg                                                         |       | -.0139 | .6000      | ppb               | .0000  |        |   |   |
| *** Sample ID: Seq: 36 12:21:48 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | 240-18853-k-3-b   |        |        |   |   |
| Hg                                                         | .0172 | ppb    | .0000      | .0172             |        |        |   |   |
| *** Sample ID: Seq: 37 12:23:48 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | 240-18992-a-1-a   |        |        |   |   |
| Hg                                                         | .0053 | ppb    | .0000      | .0053             |        |        |   |   |
| *** Sample ID: Seq: 38 12:25:49 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | 240-18853-k-7-b   |        |        |   |   |
| Hg                                                         | .0090 | ppb    | .0000      | .0090             |        |        |   |   |
| *** Sample ID: Seq: 39 12:27:52 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | 240-18853-k-8-b   |        |        |   |   |
| Hg                                                         | .0117 | ppb    | .0000      | .0117             |        |        |   |   |
| *** Sample ID: Seq: 40 12:29:40 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | 240-18853-k-1-b   |        |        |   |   |
| Hg                                                         | .0107 | ppb    | .0000      | .0107             |        |        |   |   |
| *** Sample ID: Seq: 41 12:32:09 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | 240-18840-f-1-b   |        |        |   |   |
| Hg                                                         | .0584 | ppb    | .0000      | .0584             |        |        |   |   |
| *** Sample ID: Seq: 42 12:34:23 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | 240-18384-a-4-d   |        |        |   |   |
| Hg                                                         | .0098 | ppb    | .0000      | .0098             |        |        |   |   |
| *** Sample ID: Seq: 43 12:36:12 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | 240-18853-k-5-b   |        |        |   |   |
| Hg                                                         | .0329 | ppb    | .0000      | .0329             |        |        |   |   |
| *** Sample ID: Seq: 44 12:38:12 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | mb 240-69286/1-a  |        |        |   |   |
| Hg                                                         | .0174 | ppb    | .0000      | .0174             |        |        |   |   |
| *** Sample ID: Seq: 45 12:40:03 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | lcs 240-69286/2-a |        |        |   |   |
| Hg                                                         | 5.085 | ppb    | .0000      | 5.085             |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 46 12:41:54 20 Dec 12 HG |       |        |            |                   |        |        |   |   |
| Line                                                       | Flag  | %Rcv.  | Found      | True              | Units  | SD/RSD |   |   |
| Hg                                                         |       | 100.1  | 5.005      | 5.000             | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 47 12:44:14 20 Dec 12 HG |       |        |            |                   |        |        |   |   |
| Line                                                       | Flag  | Found  | Range(+/-) | Units             | SD/RSD |        |   |   |
| Hg                                                         |       | -.0008 | .6000      | ppb               | .0000  |        |   |   |
| *** Sample ID: Seq: 48 12:46:04 20 Dec 12 HG               |       |        |            |                   |        |        |   |   |
|                                                            |       |        |            | 240-18597-a-42-b  |        |        |   |   |
| Hg                                                         | .0007 | ppb    | .0000      | .0007             |        |        |   |   |

| Line                  | Conc.  | Units  | SD/RSD     | 1     | 2                    | 3        | 4         | 5  |
|-----------------------|--------|--------|------------|-------|----------------------|----------|-----------|----|
| *** Sample ID:        |        |        |            |       | Seq: 49              | 12:47:57 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18597-a-42-c ms  |          |           |    |
| Hg                    | 1.009  | ppb    | .0000      | 1.009 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 50              | 12:50:47 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18597-a-42-d msd |          |           |    |
| Hg                    | 1.025  | ppb    | .0000      | 1.025 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 51              | 12:52:46 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18596-a-8-c      |          |           |    |
| Hg                    | .7287  | ppb    | .0000      | .7287 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 52              | 12:54:39 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18596-a-6-c      |          |           |    |
| Hg                    | .0102  | ppb    | .0000      | .0102 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 53              | 12:56:28 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18596-a-9-c      |          |           |    |
| Hg                    | .2733  | ppb    | .0000      | .2733 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 54              | 12:58:17 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18596-a-5-c      |          |           |    |
| Hg                    | .0068  | ppb    | .0000      | .0068 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 55              | 13:00:08 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18476-e-8-c      |          |           |    |
| Hg                    | .0081  | ppb    | .0000      | .0081 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 56              | 13:01:57 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18626-b-1-c      |          |           |    |
| Hg                    | .0086  | ppb    | .0000      | .0086 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 57              | 13:04:18 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18596-a-7-c      |          |           |    |
| Hg                    | .0717  | ppb    | .0000      | .0717 |                      |          |           |    |
| *** Check Standard: 6 | Ck6CCV |        |            |       | Seq: 58              | 13:06:30 | 20 Dec 12 | HG |
| Line                  | Flag   | %Rcv.  | Found      | True  | Units                | SD/RSD   |           |    |
| Hg                    |        | 99.91  | 4.996      | 5.000 | ppb                  | .0000    |           |    |
| *** Check Standard: 1 | Ck1CCB |        |            |       | Seq: 59              | 13:08:32 | 20 Dec 12 | HG |
| Line                  | Flag   | Found  | Range(+/-) | Units | SD/RSD               |          |           |    |
| Hg                    |        | -.0004 | .6000      | ppb   | .0000                |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 60              | 13:10:25 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18596-a-2-c      |          |           |    |
| Hg                    | .0140  | ppb    | .0000      | .0140 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 61              | 13:12:17 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18630-b-1-c      |          |           |    |
| Hg                    | .1326  | ppb    | .0000      | .1326 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 62              | 13:14:32 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18596-a-3-c      |          |           |    |
| Hg                    | .5001  | ppb    | .0000      | .5001 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 63              | 13:16:47 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18596-a-1-e      |          |           |    |
| Hg                    | .0095  | ppb    | .0000      | .0095 |                      |          |           |    |
| *** Sample ID:        |        |        |            |       | Seq: 64              | 13:18:39 | 20 Dec 12 | HG |
|                       |        |        |            |       | 240-18629-d-1-c      |          |           |    |
| Hg                    | .1978  | ppb    | .0000      | .1978 |                      |          |           |    |

| Line                  | Conc.  | Units  | SD/RSD     | 1                    | 2      | 3        | 4         | 5  |
|-----------------------|--------|--------|------------|----------------------|--------|----------|-----------|----|
| -----                 |        |        |            |                      |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 65              |        | 13:21:02 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18596-a-10-c     |        |          |           |    |
| Hg                    | 1.634  | ppb    | .0000      | 1.634                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 66              |        | 13:23:12 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18607-a-2-c      |        |          |           |    |
| Hg                    | .0097  | ppb    | .0000      | .0097                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 67              |        | 13:25:03 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18596-a-4-c      |        |          |           |    |
| Hg                    | .0273  | ppb    | .0000      | .0273                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 68              |        | 13:26:52 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18607-a-3-c      |        |          |           |    |
| Hg                    | .0085  | ppb    | .0000      | .0085                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 69              |        | 13:28:53 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18476-e-9-c      |        |          |           |    |
| Hg                    | .0172  | ppb    | .0000      | .0172                |        |          |           |    |
| *** Check Standard: 6 | Ck6CCV |        |            | Seq: 70              |        | 13:31:04 | 20 Dec 12 | HG |
| Line                  | Flag   | %Rcv.  | Found      | True                 | Units  | SD/RSD   |           |    |
| Hg                    |        | 100.3  | 5.016      | 5.000                | ppb    | .0000    |           |    |
| *** Check Standard: 1 | Ck1CCB |        |            | Seq: 71              |        | 13:33:02 | 20 Dec 12 | HG |
| Line                  | Flag   | Found  | Range(+/-) | Units                | SD/RSD |          |           |    |
| Hg                    |        | -.0134 | .6000      | ppb                  | .0000  |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 72              |        | 13:34:52 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18607-a-1-e      |        |          |           |    |
| Hg                    | .0117  | ppb    | .0000      | .0117                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 73              |        | 13:36:45 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18596-a-11-c     |        |          |           |    |
| Hg                    | .0066  | ppb    | .0000      | .0066                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 74              |        | 13:38:35 | 20 Dec 12 | HG |
|                       |        |        |            | mb 240-69341/1-a     |        |          |           |    |
| Hg                    | .0144  | ppb    | .0000      | .0144                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 75              |        | 13:40:41 | 20 Dec 12 | HG |
|                       |        |        |            | lcs 240-69341/2-a    |        |          |           |    |
| Hg                    | 4.455  | ppb    | .0000      | 4.455                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 76              |        | 13:42:41 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18927-r-39-d     |        |          |           |    |
| Hg                    | -.0067 | ppb    | .0000      | -.0067               |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 77              |        | 13:44:32 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18927-r-39-e ms  |        |          |           |    |
| Hg                    | .9294  | ppb    | .0000      | .9294                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 78              |        | 13:46:22 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18927-r-39-f msd |        |          |           |    |
| Hg                    | .9417  | ppb    | .0000      | .9417                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 79              |        | 13:48:42 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18927-d-34-b     |        |          |           |    |
| Hg                    | .0088  | ppb    | .0000      | .0088                |        |          |           |    |
| *** Sample ID:        |        |        |            | Seq: 80              |        | 13:50:31 | 20 Dec 12 | HG |
|                       |        |        |            | 240-18927-d-32-b     |        |          |           |    |
| Hg                    | .0162  | ppb    | .0000      | .0162                |        |          |           |    |

\*\*\*POST-RUN REPORT\*\*\*

| Line                                                       | Conc. | Units  | SD/RSD     | 1                | 2      | 3      | 4 | 5 |
|------------------------------------------------------------|-------|--------|------------|------------------|--------|--------|---|---|
| *** Sample ID: Seq: 81 13:52:22 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-47-b |        |        |   |   |
| Hg                                                         | .0202 | ppb    | .0000      | .0202            |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 82 13:54:27 20 Dec 12 HG |       |        |            |                  |        |        |   |   |
| Line                                                       | Flag  | %Rcv.  | Found      | True             | Units  | SD/RSD |   |   |
| Hg                                                         |       | 99.46  | 4.973      | 5.000            | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 83 13:56:21 20 Dec 12 HG |       |        |            |                  |        |        |   |   |
| Line                                                       | Flag  | Found  | Range(+/-) | Units            | SD/RSD |        |   |   |
| Hg                                                         |       | -.0240 | .6000      | ppb              | .0000  |        |   |   |
| *** Sample ID: Seq: 84 13:58:21 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-26-b |        |        |   |   |
| Hg                                                         | .0542 | ppb    | .0000      | .0542            |        |        |   |   |
| *** Sample ID: Seq: 85 14:00:21 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-59-b |        |        |   |   |
| Hg                                                         | .0060 | ppb    | .0000      | .0060            |        |        |   |   |
| *** Sample ID: Seq: 86 14:02:16 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-43-b |        |        |   |   |
| Hg                                                         | .0086 | ppb    | .0000      | .0086            |        |        |   |   |
| *** Sample ID: Seq: 87 14:04:45 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-19-b |        |        |   |   |
| Hg                                                         | .0189 | ppb    | .0000      | .0189            |        |        |   |   |
| *** Sample ID: Seq: 88 14:06:52 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-35-b |        |        |   |   |
| Hg                                                         | .0103 | ppb    | .0000      | .0103            |        |        |   |   |
| *** Sample ID: Seq: 89 14:08:42 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-49-b |        |        |   |   |
| Hg                                                         | .0139 | ppb    | .0000      | .0139            |        |        |   |   |
| *** Sample ID: Seq: 90 14:10:35 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-41-b |        |        |   |   |
| Hg                                                         | .0108 | ppb    | .0000      | .0108            |        |        |   |   |
| *** Sample ID: Seq: 91 14:12:40 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-51-b |        |        |   |   |
| Hg                                                         | .0113 | ppb    | .0000      | .0113            |        |        |   |   |
| *** Sample ID: Seq: 92 14:14:32 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-45-b |        |        |   |   |
| Hg                                                         | .0070 | ppb    | .0000      | .0070            |        |        |   |   |
| *** Sample ID: Seq: 93 14:17:22 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-24-b |        |        |   |   |
| Hg                                                         | .0643 | ppb    | .0000      | .0643            |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 94 14:22:05 20 Dec 12 HG |       |        |            |                  |        |        |   |   |
| Line                                                       | Flag  | %Rcv.  | Found      | True             | Units  | SD/RSD |   |   |
| Hg                                                         |       | 99.92  | 4.996      | 5.000            | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 95 14:24:47 20 Dec 12 HG |       |        |            |                  |        |        |   |   |
| Line                                                       | Flag  | Found  | Range(+/-) | Units            | SD/RSD |        |   |   |
| Hg                                                         |       | .0023  | .6000      | ppb              | .0000  |        |   |   |
| *** Sample ID: Seq: 96 14:27:07 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                            |       |        |            | 240-18927-d-37-b |        |        |   |   |
| Hg                                                         | .0081 | ppb    | .0000      | .0081            |        |        |   |   |



| Line                  | Conc.    | Units  | SD/RSD     | 1                   | 2      | 3        | 4         | 5  |
|-----------------------|----------|--------|------------|---------------------|--------|----------|-----------|----|
| -----                 |          |        |            |                     |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 97             |        | 14:29:09 | 20 Dec 12 | HG |
|                       |          |        |            | 240-18927-d-53-b    |        |          |           |    |
| Hg                    | (0076)   | ppb    | .0000      | .0076               |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 98             |        | 14:31:04 | 20 Dec 12 | HG |
|                       |          |        |            | 240-18927-a-21-b    |        |          |           |    |
| Hg                    | (.0144)  | ppb    | .0000      | .0144               |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 99             |        | 14:33:48 | 20 Dec 12 | HG |
|                       |          |        |            | 240-18927-d-57-b    |        |          |           |    |
| Hg                    | (.0127)  | ppb    | .0000      | .0127               |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 100            |        | 14:35:39 | 20 Dec 12 | HG |
|                       |          |        |            | 240-18927-d-30-b    |        |          |           |    |
| Hg                    | (.0784)  | ppb    | .0000      | .0784               |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 101            |        | 14:37:29 | 20 Dec 12 | HG |
|                       |          |        |            | 240-18927-d-55-b    |        |          |           |    |
| Hg                    | (.0091)  | ppb    | .0000      | .0091               |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 102            |        | 14:39:36 | 20 Dec 12 | HG |
|                       |          |        |            | lcs 240-69453/2-a   |        |          |           |    |
| Hg                    | (4.181)  | ppb    | .0000      | 4.181               |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 103            |        | 14:41:28 | 20 Dec 12 | HG |
|                       |          |        |            | 240-18710-a-1-h     |        |          |           |    |
| Hg                    | (-.0260) | ppb    | .0000      | -.0260              |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 104            |        | 14:43:53 | 20 Dec 12 | HG |
|                       |          |        |            | lb 240-69294/1-e    |        |          |           |    |
| Hg                    | (.0224)  | ppb    | .0000      | .0224               |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 105            |        | 14:45:49 | 20 Dec 12 | HG |
|                       |          |        |            | mb 240-69409/2-a    |        |          |           |    |
| Hg                    | (.0102)  | ppb    | .0000      | .0102               |        |          |           |    |
| *** Check Standard: 6 | Ck6CCV   |        |            | Seq: 106            |        | 14:48:14 | 20 Dec 12 | HG |
| Line                  | Flag     | %Rcv.  | Found      | True                | Units  | SD/RSD   |           |    |
| Hg                    |          | 100.4  | 5.018      | 5.000               | ppb    | .0000    |           |    |
| *** Check Standard: 1 | Ck1CCB   |        |            | Seq: 107            |        | 14:50:03 | 20 Dec 12 | HG |
| Line                  | Flag     | Found  | Range(+/-) | Units               | SD/RSD |          |           |    |
| Hg                    |          | -.0393 | .6000      | ppb                 | .0000  |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 108            |        | 14:52:14 | 20 Dec 12 | HG |
|                       |          |        |            | lcs 240-69409/3-a   |        |          |           |    |
| Hg                    | (5.785)  | ppb    | .0000      | 5.785               |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 109            |        | 14:54:10 | 20 Dec 12 | HG |
|                       |          |        |            | 240-18735-c-5-g     |        |          |           |    |
| Hg                    | (-.0120) | ppb    | .0000      | -.0120              |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 110            |        | 14:56:06 | 20 Dec 12 | HG |
|                       |          |        |            | 240-18735-c-5-h ms  |        |          |           |    |
| Hg                    | (5.257)  | ppb    | .0000      | 5.257               |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 111            |        | 14:57:59 | 20 Dec 12 | HG |
|                       |          |        |            | 240-18735-c-5-i msd |        |          |           |    |
| Hg                    | (5.435)  | ppb    | .0000      | 5.435               |        |          |           |    |
| *** Sample ID:        |          |        |            | Seq: 112            |        | 15:00:00 | 20 Dec 12 | HG |
|                       |          |        |            | 240-18735-f-6-e     |        |          |           |    |
| Hg                    | (.0041)  | ppb    | .0000      | .0041               |        |          |           |    |

low for  
245.1

12/20/12  
DSH

| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|------|-------|-------|--------|---|---|---|---|---|
|------|-------|-------|--------|---|---|---|---|---|

\*\*\* Sample ID: Seq: 113 15:01:50 20 Dec 12 HG

Hg .2094 ppb CRA  
.0000 .2094

\*\*\* Check Standard: 6 Ck6CCV Seq: 114 15:04:05 20 Dec 12 HG

| Line | Flag | %Rcv. | Found | True  | Units | SD/RSD |
|------|------|-------|-------|-------|-------|--------|
| Hg   |      | 100.6 | 5.031 | 5.000 | ppb   | .0000  |

\*\*\* Check Standard: 1 Ck1CCB Seq: 115 15:06:34 20 Dec 12 HG

| Line | Flag | Found | Range(+/-) | Units | SD/RSD |
|------|------|-------|------------|-------|--------|
| Hg   |      | .0031 | .6000      | ppb   | .0000  |

*Already found ID  
12/20/12*

| Line                                                        | Conc.  | Units  | SD/RSD     | 1                   | 2      | 3      | 4 | 5 |
|-------------------------------------------------------------|--------|--------|------------|---------------------|--------|--------|---|---|
| *** Check Standard: 6 Ck6CCV Seq: 116 15:34:55 20 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                        | Flag   | %Rcv.  | Found      | True                | Units  | SD/RSD |   |   |
| Hg                                                          |        | 96.68  | 4.834      | 5.000               | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 117 15:36:46 20 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                        | Flag   | Found  | Range(+/-) | Units               | SD/RSD |        |   |   |
| Hg                                                          |        | -.0519 | .6000      | ppb                 | .0000  |        |   |   |
| *** Sample ID: Seq: 118 15:39:05 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | lb 240-69295/1-c    |        |        |   |   |
| Hg                                                          | -.0105 | ppb    | .0000      | -.0105              |        |        |   |   |
| *** Sample ID: Seq: 119 15:40:57 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | mb 240-69418/2-a    |        |        |   |   |
| Hg                                                          | -.0053 | ppb    | .0000      | -.0053              |        |        |   |   |
| *** Sample ID: Seq: 120 15:43:15 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | lcs 240-69418/3-a   |        |        |   |   |
| Hg                                                          | 5.565  | ppb    | .0000      | 5.565               |        |        |   |   |
| *** Sample ID: Seq: 121 15:45:04 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18895-a-2-e     |        |        |   |   |
| Hg                                                          | -.0479 | ppb    | .0000      | -.0479              |        |        |   |   |
| *** Sample ID: Seq: 122 15:46:56 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18895-a-2-f ms  |        |        |   |   |
| Hg                                                          | 4.014  | ppb    | .0000      | 4.014               |        |        |   |   |
| *** Sample ID: Seq: 123 15:49:04 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18895-a-2-g msd |        |        |   |   |
| Hg                                                          | 4.408  | ppb    | .0000      | 4.408               |        |        |   |   |
| *** Sample ID: Seq: 124 15:51:03 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18798-e-3-d     |        |        |   |   |
| Hg                                                          | .0202  | ppb    | .0000      | .0202               |        |        |   |   |
| *** Sample ID: Seq: 125 15:52:53 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18798-c-4-d     |        |        |   |   |
| Hg                                                          | .0009  | ppb    | .0000      | .0009               |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 126 15:59:29 20 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                        | Flag   | %Rcv.  | Found      | True                | Units  | SD/RSD |   |   |
| Hg                                                          |        | 99.33  | 4.967      | 5.000               | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 127 16:01:19 20 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                        | Flag   | Found  | Range(+/-) | Units               | SD/RSD |        |   |   |
| Hg                                                          |        | -.0593 | .6000      | ppb                 | .0000  |        |   |   |
| *** Sample ID: Seq: 128 16:03:07 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | mb 240-69565/1-a    |        |        |   |   |
| Hg                                                          | .0066  | ppb    | .0000      | .0066               |        |        |   |   |
| *** Sample ID: Seq: 129 16:04:56 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | lcs 240-69565/2-a   |        |        |   |   |
| Hg                                                          | 5.420  | ppb    | .0000      | 5.420               |        |        |   |   |
| *** Sample ID: Seq: 130 16:06:47 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18583-g-3-b     |        |        |   |   |
| Hg                                                          | -.0396 | ppb    | .0000      | -.0396              |        |        |   |   |
| *** Sample ID: Seq: 131 16:09:25 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18583-g-3-c ms  |        |        |   |   |
| Hg                                                          | 1.084  | ppb    | .0000      | 1.084               |        |        |   |   |

| Line                                                        | Conc. | Units  | SD/RSD     | 1                   | 2      | 3      | 4 | 5 |
|-------------------------------------------------------------|-------|--------|------------|---------------------|--------|--------|---|---|
| *** Sample ID: Seq: 132 16:11:18 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18583-g-3-d msd |        |        |   |   |
| Hg                                                          | 1.107 | ppb    | .0000      | 1.107               |        |        |   |   |
| *** Sample ID: Seq: 133 16:13:10 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18933-j-10-f    |        |        |   |   |
| Hg                                                          | .0026 | ppb    | .0000      | .0026               |        |        |   |   |
| *** Sample ID: Seq: 134 16:15:21 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18933-j-11-b    |        |        |   |   |
| Hg                                                          | .0091 | ppb    | .0000      | .0091               |        |        |   |   |
| *** Sample ID: Seq: 135 16:17:31 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18853-k-11-b    |        |        |   |   |
| Hg                                                          | .0113 | ppb    | .0000      | .0113               |        |        |   |   |
| *** Sample ID: Seq: 136 16:19:33 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18605-d-4-b     |        |        |   |   |
| Hg                                                          | .0080 | ppb    | .0000      | .0080               |        |        |   |   |
| *** Sample ID: Seq: 137 16:21:24 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18605-d-3-b     |        |        |   |   |
| Hg                                                          | .0107 | ppb    | .0000      | .0107               |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 138 16:24:33 20 Dec 12 HG |       |        |            |                     |        |        |   |   |
| Line                                                        | Flag  | %Rcv.  | Found      | True                | Units  | SD/RSD |   |   |
| Hg                                                          |       | 99.35  | 4.968      | 5.000               | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 139 16:26:22 20 Dec 12 HG |       |        |            |                     |        |        |   |   |
| Line                                                        | Flag  | Found  | Range(+/-) | Units               | SD/RSD |        |   |   |
| Hg                                                          |       | -.0462 | .6000      | ppb                 | .0000  |        |   |   |
| *** Sample ID: Seq: 140 16:28:51 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18605-e-4-b     |        |        |   |   |
| Hg                                                          | .0127 | ppb    | .0000      | .0127               |        |        |   |   |
| *** Sample ID: Seq: 141 16:30:49 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18777-b-6-f     |        |        |   |   |
| Hg                                                          | .0139 | ppb    | .0000      | .0139               |        |        |   |   |
| *** Sample ID: Seq: 142 16:32:49 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18937-j-5-b     |        |        |   |   |
| Hg                                                          | .0137 | ppb    | .0000      | .0137               |        |        |   |   |
| *** Sample ID: Seq: 143 16:34:50 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18853-k-13-b    |        |        |   |   |
| Hg                                                          | .0132 | ppb    | .0000      | .0132               |        |        |   |   |
| *** Sample ID: Seq: 144 16:36:38 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18933-j-16-b    |        |        |   |   |
| Hg                                                          | .0164 | ppb    | .0000      | .0164               |        |        |   |   |
| *** Sample ID: Seq: 145 16:38:29 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18933-j-15-b    |        |        |   |   |
| Hg                                                          | .0142 | ppb    | .0000      | .0142               |        |        |   |   |
| *** Sample ID: Seq: 146 16:40:28 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18937-j-4-b     |        |        |   |   |
| Hg                                                          | .0097 | ppb    | .0000      | .0097               |        |        |   |   |
| *** Sample ID: Seq: 147 16:42:17 20 Dec 12 HG               |       |        |            |                     |        |        |   |   |
|                                                             |       |        |            | 240-18937-j-2-b     |        |        |   |   |
| Hg                                                          | .0041 | ppb    | .0000      | .0041               |        |        |   |   |

| Line                                                        | Conc.  | Units  | SD/RSD     | 1                  | 2      | 3      | 4 | 5 |
|-------------------------------------------------------------|--------|--------|------------|--------------------|--------|--------|---|---|
| *** Sample ID: Seq: 148 16:44:29 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 240-18933-j-13-b   |        |        |   |   |
| Hg                                                          | .0095  | ppb    | .0000      | .0095              |        |        |   |   |
| *** Sample ID: Seq: 149 16:46:19 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 240-18978-a-1-a    |        |        |   |   |
| Hg                                                          | .0174  | ppb    | .0000      | .0174              |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 150 16:48:19 20 Dec 12 HG |        |        |            |                    |        |        |   |   |
| Line                                                        | Flag   | %Rcv.  | Found      | True               | Units  | SD/RSD |   |   |
| Hg                                                          |        | 100.9  | 5.045      | 5.000              | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 151 16:50:10 20 Dec 12 HG |        |        |            |                    |        |        |   |   |
| Line                                                        | Flag   | Found  | Range(+/-) | Units              | SD/RSD |        |   |   |
| Hg                                                          |        | -.0354 | .6000      | ppb                | .0000  |        |   |   |
| *** Sample ID: Seq: 152 16:51:58 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 240-18937-j-1-b    |        |        |   |   |
| Hg                                                          | -.0006 | ppb    | .0000      | -.0006             |        |        |   |   |
| *** Sample ID: Seq: 153 16:54:08 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 240-18933-j-12-b   |        |        |   |   |
| Hg                                                          | .0177  | ppb    | .0000      | .0177              |        |        |   |   |
| *** Sample ID: Seq: 154 16:55:57 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 240-18605-e-3-b    |        |        |   |   |
| Hg                                                          | .0051  | ppb    | .0000      | .0051              |        |        |   |   |
| *** Sample ID: Seq: 155 16:57:49 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 240-18605-e-5-b    |        |        |   |   |
| Hg                                                          | .0510  | ppb    | .0000      | .0510              |        |        |   |   |
| *** Sample ID: Seq: 156 16:59:49 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 1b 240-69293/1-d   |        |        |   |   |
| Hg                                                          | .0039  | ppb    | .0000      | .0039              |        |        |   |   |
| *** Sample ID: Seq: 157 17:01:37 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | mb 240-69414/2-a   |        |        |   |   |
| Hg                                                          | .0103  | ppb    | .0000      | .0103              |        |        |   |   |
| *** Sample ID: Seq: 158 17:04:00 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 1cs 240-69414/3-a  |        |        |   |   |
| Hg                                                          | 5.862  | ppb    | .0000      | 5.862              |        |        |   |   |
| *** Sample ID: Seq: 159 17:06:34 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 240-18902-a-4-f    |        |        |   |   |
| Hg                                                          | .0103  | ppb    | .0000      | .0103              |        |        |   |   |
| *** Sample ID: Seq: 160 17:08:25 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 240-18902-a-4-g ms |        |        |   |   |
| Hg                                                          | 2.828  | ppb    | .0000      | 2.828              |        |        |   |   |
| *** Sample ID: Seq: 161 17:10:37 20 Dec 12 HG               |        |        |            |                    |        |        |   |   |
|                                                             |        |        |            | 240-18902-a-7-d    |        |        |   |   |
| Hg                                                          | -.0125 | ppb    | .0000      | -.0125             |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 162 17:12:38 20 Dec 12 HG |        |        |            |                    |        |        |   |   |
| Line                                                        | Flag   | %Rcv.  | Found      | True               | Units  | SD/RSD |   |   |
| Hg                                                          |        | 101.1  | 5.054      | 5.000              | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 163 17:15:19 20 Dec 12 HG |        |        |            |                    |        |        |   |   |
| Line                                                        | Flag   | Found  | Range(+/-) | Units              | SD/RSD |        |   |   |
| Hg                                                          |        | .0016  | .6000      | ppb                | .0000  |        |   |   |

| Line                       | Conc.             | Units  | SD/RSD | 1                   | 2        | 3         | 4  | 5 |
|----------------------------|-------------------|--------|--------|---------------------|----------|-----------|----|---|
| -----                      |                   |        |        |                     |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 164            | 17:17:48 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18902-a-4-h msd |          |           |    |   |
| Hg                         | 2.967             | ppb    | .0000  | 2.967               |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 165            | 17:19:41 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18902-a-3-d     |          |           |    |   |
| Hg                         | -.0958            | ppb    | .0000  | -.0958              |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 166            | 17:21:53 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18902-a-6-d     |          |           |    |   |
| Hg                         | .2050             | ppb    | .0000  | .2050               |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 167            | 17:24:15 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18905-a-1-c     |          |           |    |   |
| Hg                         | .0056             | ppb    | .0000  | .0056               |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 168            | 17:26:05 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18905-a-2-c     |          |           |    |   |
| Hg                         | .0080             | ppb    | .0000  | .0080               |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 169            | 17:28:14 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18905-a-3-c     |          |           |    |   |
| Hg                         | .0524             | ppb    | .0000  | .0524               |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 170            | 17:30:36 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18905-a-4-c     |          |           |    |   |
| Hg                         | .0147             | ppb    | .0000  | .0147               |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 171            | 17:32:58 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18905-a-5-d     |          |           |    |   |
| Hg                         | .0128             | ppb    | .0000  | .0128               |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 172            | 17:35:19 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18905-a-6-c     |          |           |    |   |
| Hg                         | .0086             | ppb    | .0000  | .0086               |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 173            | 17:37:19 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18905-a-7-c     |          |           |    |   |
| Hg                         | 160.6 H           | ppb    | .0000  | 160.6               |          |           |    |   |
| *** Check Standard: 6      | Ck6CCV            |        |        | Seq: 174            | 17:39:23 | 20 Dec 12 | HG |   |
| Line Flag %Rcv.            | Found True Units  | SD/RSD |        |                     |          |           |    |   |
| Hg L                       | 79.68 3.984 5.000 | ppb    | .0000  |                     |          |           |    |   |
| *** Check Standard: 1      | Ck1CCB            |        |        | Seq: 175            | 17:41:42 | 20 Dec 12 | HG |   |
| Line Flag Found Range(+/-) | Units             | SD/RSD |        |                     |          |           |    |   |
| Hg                         | -.0803 .6000      | ppb    | .0000  |                     |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 176            | 17:43:51 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18707-a-2-f     |          |           |    |   |
| Hg                         | .1042             | ppb    | .0000  | .1042               |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 177            | 17:46:01 | 20 Dec 12 | HG |   |
|                            |                   |        |        | mb 240-69344/1-a    |          |           |    |   |
| Hg                         | -.0331            | ppb    | .0000  | -.0331              |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 178            | 17:48:12 | 20 Dec 12 | HG |   |
|                            |                   |        |        | lcs 240-69344/2-a   |          |           |    |   |
| Hg                         | 4.275             | ppb    | .0000  | 4.275               |          |           |    |   |
| *** Sample ID:             |                   |        |        | Seq: 179            | 17:50:03 | 20 Dec 12 | HG |   |
|                            |                   |        |        | 240-18777-b-7-b     |          |           |    |   |
| Hg                         | .0357             | ppb    | .0000  | .0357               |          |           |    |   |

| Line                                                        | Conc. | Units  | SD/RSD     | 1                | 2      | 3      | 4 | 5 |
|-------------------------------------------------------------|-------|--------|------------|------------------|--------|--------|---|---|
| *** Sample ID: Seq: 180 17:52:15 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18777-b-7-c  | ms     |        |   |   |
| Hg                                                          | .9158 | ppb    | .0000      | .9158            |        |        |   |   |
| *** Sample ID: Seq: 181 17:54:14 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18777-b-7-d  | msd    |        |   |   |
| Hg                                                          | .9062 | ppb    | .0000      | .9062            |        |        |   |   |
| *** Sample ID: Seq: 182 17:56:08 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18933-j-1-b  |        |        |   |   |
| Hg                                                          | .0083 | ppb    | .0000      | .0083            |        |        |   |   |
| *** Sample ID: Seq: 183 17:57:57 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18933-j-3-b  |        |        |   |   |
| Hg                                                          | .0044 | ppb    | .0000      | .0044            |        |        |   |   |
| *** Sample ID: Seq: 184 18:00:06 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18929-n-5-b  |        |        |   |   |
| Hg                                                          | .1215 | ppb    | .0000      | .1215            |        |        |   |   |
| *** Sample ID: Seq: 185 18:02:38 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18777-b-9-b  |        |        |   |   |
| Hg                                                          | .0283 | ppb    | .0000      | .0283            |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 186 18:04:27 20 Dec 12 HG |       |        |            |                  |        |        |   |   |
| Line                                                        | Flag  | %Rcv.  | Found      | True             | Units  | SD/RSD |   |   |
| Hg                                                          |       | 100.2  | 5.009      | 5.000            | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 187 18:06:21 20 Dec 12 HG |       |        |            |                  |        |        |   |   |
| Line                                                        | Flag  | Found  | Range(+/-) | Units            | SD/RSD |        |   |   |
| Hg                                                          |       | -.0199 | .6000      | ppb              | .0000  |        |   |   |
| *** Sample ID: Seq: 188 18:08:43 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18929-l-8-b  |        |        |   |   |
| Hg                                                          | .0100 | ppb    | .0000      | .0100            |        |        |   |   |
| *** Sample ID: Seq: 189 18:10:44 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18777-b-8-b  |        |        |   |   |
| Hg                                                          | .0350 | ppb    | .0000      | .0350            |        |        |   |   |
| *** Sample ID: Seq: 190 18:12:35 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18933-j-8-b  |        |        |   |   |
| Hg                                                          | .0218 | ppb    | .0000      | .0218            |        |        |   |   |
| *** Sample ID: Seq: 191 18:14:45 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18933-j-2-b  |        |        |   |   |
| Hg                                                          | .0197 | ppb    | .0000      | .0197            |        |        |   |   |
| *** Sample ID: Seq: 192 18:16:46 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18777-b-10-b |        |        |   |   |
| Hg                                                          | .0118 | ppb    | .0000      | .0118            |        |        |   |   |
| *** Sample ID: Seq: 193 18:18:59 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18929-o-1-b  |        |        |   |   |
| Hg                                                          | .0112 | ppb    | .0000      | .0112            |        |        |   |   |
| *** Sample ID: Seq: 194 18:20:48 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18933-j-5-b  |        |        |   |   |
| Hg                                                          | .0125 | ppb    | .0000      | .0125            |        |        |   |   |
| *** Sample ID: Seq: 195 18:22:58 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18933-j-7-b  |        |        |   |   |
| Hg                                                          | .0322 | ppb    | .0000      | .0322            |        |        |   |   |

## \*\*\*POST-RUN REPORT\*\*\*

| Line                                                        | Conc.  | Units  | SD/RSD     | 1                   | 2      | 3      | 4 | 5 |
|-------------------------------------------------------------|--------|--------|------------|---------------------|--------|--------|---|---|
| *** Sample ID: Seq: 196 18:25:31 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18929-1-7-b     |        |        |   |   |
| Hg                                                          | .0130  | ppb    | .0000      | .0130               |        |        |   |   |
| *** Sample ID: Seq: 197 18:27:50 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18929-o-4-b     |        |        |   |   |
| Hg                                                          | .0063  | ppb    | .0000      | .0063               |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 198 18:29:51 20 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                        | Flag   | %Rcv.  | Found      | True                | Units  | SD/RSD |   |   |
| Hg                                                          |        | 101.0  | 5.051      | 5.000               | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 199 18:31:41 20 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                        | Flag   | Found  | Range(+/-) | Units               | SD/RSD |        |   |   |
| Hg                                                          |        | -.0327 | .6000      | ppb                 | .0000  |        |   |   |
| *** Sample ID: Seq: 200 18:33:31 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18929-o-3-b     |        |        |   |   |
| Hg                                                          | .0100  | ppb    | .0000      | .0100               |        |        |   |   |
| *** Sample ID: Seq: 201 18:35:21 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18929-o-2-b     |        |        |   |   |
| Hg                                                          | .0073  | ppb    | .0000      | .0073               |        |        |   |   |
| *** Sample ID: Seq: 202 18:38:04 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18929-o-6-b     |        |        |   |   |
| Hg                                                          | .0128  | ppb    | .0000      | .0128               |        |        |   |   |
| *** Sample ID: Seq: 203 18:39:55 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18933-j-9-b     |        |        |   |   |
| Hg                                                          | .0512  | ppb    | .0000      | .0512               |        |        |   |   |
| *** Sample ID: Seq: 204 18:41:50 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | mb 240-69337/1-a    |        |        |   |   |
| Hg                                                          | .0098  | ppb    | .0000      | .0098               |        |        |   |   |
| *** Sample ID: Seq: 205 18:45:35 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | lcs 240-69337/2-a   |        |        |   |   |
| Hg                                                          | 4.521  | ppb    | .0000      | 4.521               |        |        |   |   |
| *** Sample ID: Seq: 206 18:47:48 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18927-j-3-d     |        |        |   |   |
| Hg                                                          | -.0006 | ppb    | .0000      | -.0006              |        |        |   |   |
| *** Sample ID: Seq: 207 18:49:47 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18927-j-3-e ms  |        |        |   |   |
| Hg                                                          | .9394  | ppb    | .0000      | .9394               |        |        |   |   |
| *** Sample ID: Seq: 208 18:51:47 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18927-j-3-f msd |        |        |   |   |
| Hg                                                          | .9505  | ppb    | .0000      | .9505               |        |        |   |   |
| *** Sample ID: Seq: 209 18:53:49 20 Dec 12 HG               |        |        |            |                     |        |        |   |   |
|                                                             |        |        |            | 240-18926-e-10-b    |        |        |   |   |
| Hg                                                          | .0023  | ppb    | .0000      | .0023               |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 210 18:55:41 20 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                        | Flag   | %Rcv.  | Found      | True                | Units  | SD/RSD |   |   |
| Hg                                                          |        | 101.0  | 5.048      | 5.000               | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 211 18:57:34 20 Dec 12 HG |        |        |            |                     |        |        |   |   |
| Line                                                        | Flag   | Found  | Range(+/-) | Units               | SD/RSD |        |   |   |
| Hg                                                          |        | -.0188 | .6000      | ppb                 | .0000  |        |   |   |



| Line                  | Conc.  | Units  | SD/RSD     | 1                | 2        | 3         | 4  | 5 |
|-----------------------|--------|--------|------------|------------------|----------|-----------|----|---|
| *** Sample ID:        |        |        |            | Seq: 212         | 18:59:24 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18927-d-7-b  |          |           |    |   |
| Hg                    | .0251  | ppb    | .0000      | .0251            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 213         | 19:01:48 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18926-e-24-b |          |           |    |   |
| Hg                    | .0110  | ppb    | .0000      | .0110            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 214         | 19:03:39 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18927-a-5-b  |          |           |    |   |
| Hg                    | .0128  | ppb    | .0000      | .0128            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 215         | 19:05:49 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18926-e-22-b |          |           |    |   |
| Hg                    | .0213  | ppb    | .0000      | .0213            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 216         | 19:07:39 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18927-d-1-b  |          |           |    |   |
| Hg                    | .0255  | ppb    | .0000      | .0255            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 217         | 19:09:41 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18927-a-11-b |          |           |    |   |
| Hg                    | .0123  | ppb    | .0000      | .0123            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 218         | 19:11:34 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18926-e-30-b |          |           |    |   |
| Hg                    | .0154  | ppb    | .0000      | .0154            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 219         | 19:13:37 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18926-e-20-b |          |           |    |   |
| Hg                    | .0192  | ppb    | .0000      | .0192            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 220         | 19:15:29 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18926-e-18-b |          |           |    |   |
| Hg                    | .0118  | ppb    | .0000      | .0118            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 221         | 19:17:40 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18927-a-9-b  |          |           |    |   |
| Hg                    | .0095  | ppb    | .0000      | .0095            |          |           |    |   |
| *** Check Standard: 6 | Ck6CCV |        |            | Seq: 222         | 19:19:39 | 20 Dec 12 | HG |   |
| Line                  | Flag   | %Rcv.  | Found      | True             | Units    | SD/RSD    |    |   |
| Hg                    |        | 100.5  | 5.024      | 5.000            | ppb      | .0000     |    |   |
| *** Check Standard: 1 | Ck1CCB |        |            | Seq: 223         | 19:21:27 | 20 Dec 12 | HG |   |
| Line                  | Flag   | Found  | Range(+/-) | Units            | SD/RSD   |           |    |   |
| Hg                    |        | -.0403 | .6000      | ppb              | .0000    |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 224         | 19:24:21 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18926-e-26-b |          |           |    |   |
| Hg                    | .0147  | ppb    | .0000      | .0147            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 225         | 19:26:14 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18926-e-16-b |          |           |    |   |
| Hg                    | .0221  | ppb    | .0000      | .0221            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 226         | 19:28:15 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18927-a-13-b |          |           |    |   |
| Hg                    | .0012  | ppb    | .0000      | .0012            |          |           |    |   |
| *** Sample ID:        |        |        |            | Seq: 227         | 19:31:37 | 20 Dec 12 | HG |   |
|                       |        |        |            | 240-18926-e-33-b |          |           |    |   |
| Hg                    | .0140  | ppb    | .0000      | .0140            |          |           |    |   |

| Line                                                        | Conc. | Units  | SD/RSD     | 1                | 2      | 3      | 4 | 5 |
|-------------------------------------------------------------|-------|--------|------------|------------------|--------|--------|---|---|
| *** Sample ID: Seq: 228 19:33:31 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18926-e-32-b |        |        |   |   |
| Hg                                                          | .1640 | ppb    | .0000      | .1640            |        |        |   |   |
| *** Sample ID: Seq: 229 19:36:22 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18927-a-15-b |        |        |   |   |
| Hg                                                          | .0231 | ppb    | .0000      | .0231            |        |        |   |   |
| *** Sample ID: Seq: 230 19:38:16 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18926-e-14-b |        |        |   |   |
| Hg                                                          | .7162 | ppb    | .0000      | .7162            |        |        |   |   |
| *** Sample ID: Seq: 231 19:41:39 20 Dec 12 HG               |       |        |            |                  |        |        |   |   |
|                                                             |       |        |            | 240-18926-e-12-b |        |        |   |   |
| Hg                                                          | .0006 | ppb    | .0000      | .0006            |        |        |   |   |
| *** Check Standard: 6 Ck6CCV Seq: 232 19:43:34 20 Dec 12 HG |       |        |            |                  |        |        |   |   |
| Line                                                        | Flag  | %Rcv.  | Found      | True             | Units  | SD/RSD |   |   |
| Hg                                                          |       | 100.3  | 5.016      | 5.000            | ppb    | .0000  |   |   |
| *** Check Standard: 1 Ck1CCB Seq: 233 19:45:23 20 Dec 12 HG |       |        |            |                  |        |        |   |   |
| Line                                                        | Flag  | Found  | Range(+/-) | Units            | SD/RSD |        |   |   |
| Hg                                                          |       | -.0334 | .6000      | ppb              | .0000  |        |   |   |

## Performance Report

### Sample details

Sample name : ITUNE

Acquired at : 12/29/2012 3:23:35 PM

Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

### Mass Calibration verification

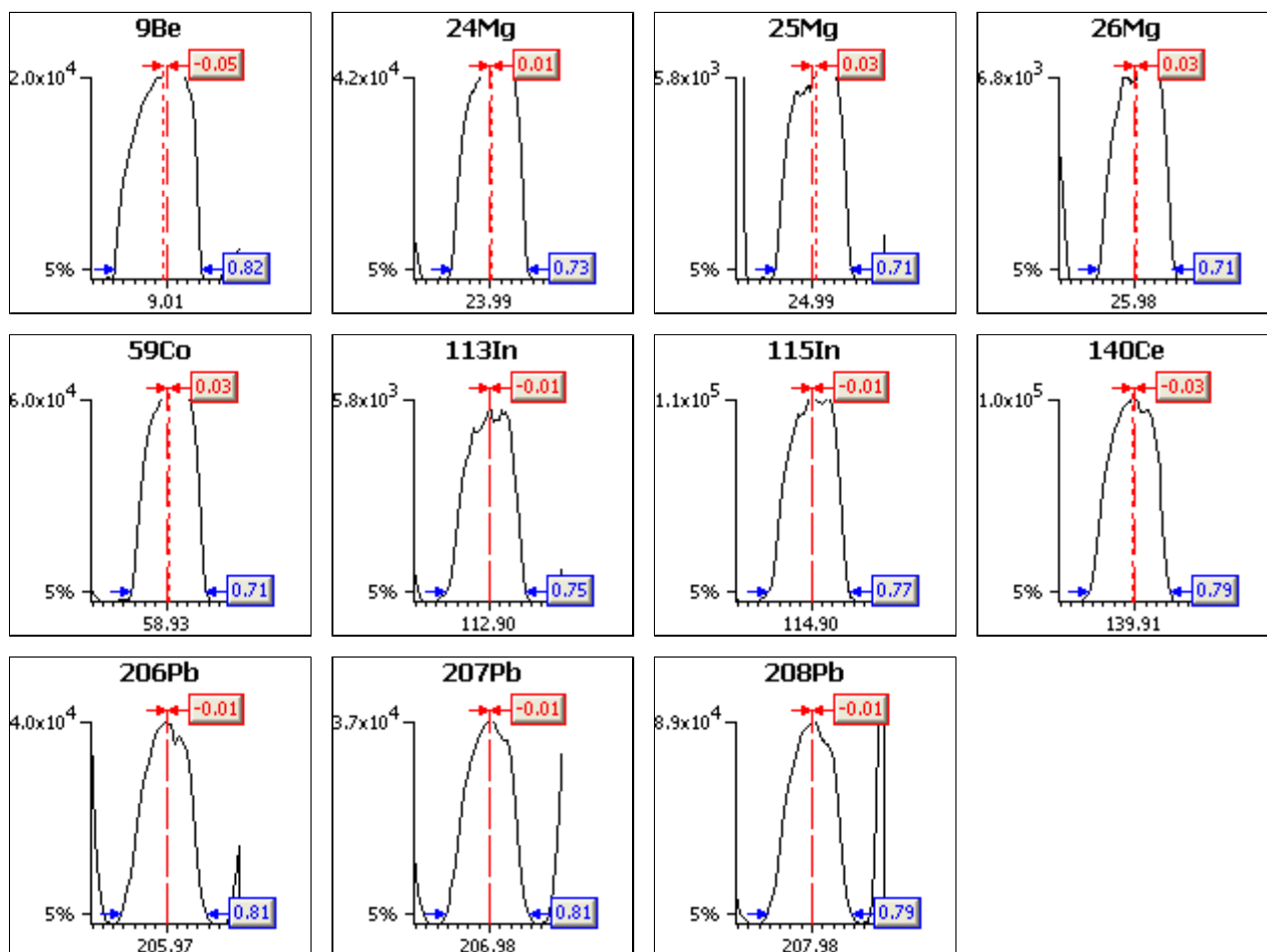
#### Acquisition parameters

Sweeps : 25

Dwell : 2.0 mSecs

Point spacing : 0.02 amu

Peak width measured at 5% of the peak maximum



| Analyte      | Limits     |            |            | Results    |            |
|--------------|------------|------------|------------|------------|------------|
|              | Max. width | Min. width | Max. error | Peak width | Peak error |
| <b>9Be</b>   | 0.90       | 0.45       | 0.10       | 0.82       | -0.05      |
| <b>24Mg</b>  | 0.90       | 0.45       | 0.10       | 0.73       | 0.01       |
| <b>25Mg</b>  | 0.90       | 0.45       | 0.10       | 0.71       | 0.03       |
| <b>26Mg</b>  | 0.90       | 0.45       | 0.10       | 0.71       | 0.03       |
| <b>59Co</b>  | 0.90       | 0.45       | 0.10       | 0.71       | 0.03       |
| <b>113In</b> | 0.90       | 0.45       | 0.10       | 0.75       | -0.01      |
| <b>115In</b> | 0.90       | 0.45       | 0.10       | 0.77       | -0.01      |
| <b>140Ce</b> | 0.90       | 0.45       | 0.10       | 0.79       | -0.03      |
| <b>206Pb</b> | 0.90       | 0.45       | 0.10       | 0.81       | -0.01      |
| <b>207Pb</b> | 0.90       | 0.45       | 0.10       | 0.81       | -0.01      |
| <b>208Pb</b> | 0.90       | 0.45       | 0.10       | 0.79       | -0.01      |

**Sample details**

Sample name : ITUNE

Acquired at : 12/29/2012 3:23:35 PM

Report name : EPA ILM05.2/6020A 2.1 [8/5/2011 12:59:56 PM]

**Tune conditions**

| Major          |       | Minor         |        | Global              |     | Add. Gases |      |
|----------------|-------|---------------|--------|---------------------|-----|------------|------|
| Extraction     | -114  | Lens 2        | -36.1  | Standard resolution | n/a | He/H2      | 0.00 |
| Lens 1         | 2.0   | Lens 3        | -176.5 | High resolution     | n/a | He/NH3     | 0.00 |
| Focus          | 26.7  | Forward power | 1349   | Analogue Detector   | n/a |            |      |
| D1             | -37.6 | Horizontal    | 72     | PC Detector         | n/a |            |      |
| Pole Bias      | 3.0   | Vertical      | 408    |                     |     |            |      |
| Hexapole Bias  | -3.0  | D2            | -160   |                     |     |            |      |
| Nebuliser      | 0.80  | DA            | -80.0  |                     |     |            |      |
| Sampling Depth | 150   | Cool          | 13.0   |                     |     |            |      |
|                |       | Auxiliary     | 0.90   |                     |     |            |      |

**Sensitivity and stability results****Acquisition parameters**

Sweeps : 150

| Run           | Time       | 5Bkg  | 9Be    | 24Mg   | 25Mg   | 26Mg   | 56Ar O  | 59Co    | 137Ba++ |
|---------------|------------|-------|--------|--------|--------|--------|---------|---------|---------|
| Dwell (mSecs) |            | 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%    | -       |
|               | Countrate  | -     | >500   | >500   | >500   | >500   | -       | >10000  | -       |
| 1             | 3:24:22 PM | 0     | 15477  | 38422  | 4689   | 5723   | 204931  | 62050   | 17      |
| 2             | 3:25:47 PM | 0     | 15828  | 39862  | 5177   | 6000   | 202466  | 64487   | 13      |
| 3             | 3:27:12 PM | 0     | 15213  | 38440  | 5049   | 5760   | 204484  | 62097   | 13      |
| 4             | 3:28:38 PM | 0     | 15635  | 39285  | 5027   | 5877   | 202840  | 63867   | 13      |
| 5             | 3:30:03 PM | 0     | 15499  | 39631  | 5019   | 5966   | 200112  | 63991   | 10      |
| x             |            | 0     | 15530  | 39128  | 4992   | 5865   | 202967  | 63299   | 13      |
| σ             |            | 0.00  | 225.97 | 668.55 | 180.99 | 122.22 | 1908.87 | 1142.06 | 2.60    |
| %RSD          |            | 0.000 | 1.455  | 1.709  | 3.625  | 2.084  | 0.940   | 1.804   | 19.301  |

| Run           | Time       | 138Ba++ | 101Bkg  | 113In | 115In   | 138Ba | 140Ce  | 156Ce O | 206Pb  |
|---------------|------------|---------|---------|-------|---------|-------|--------|---------|--------|
| Dwell (mSecs) |            | 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%   |
|               | Countrate  | -       | -       | >200  | >5000   | -     | >10000 | -       | >500   |
| 1             | 3:24:22 PM | 70      | 0       | 4770  | 105829  | 2620  | 109910 | 1933    | 42887  |
| 2             | 3:25:47 PM | 70      | 0       | 4971  | 108360  | 2619  | 111665 | 2021    | 43618  |
| 3             | 3:27:12 PM | 77      | 0       | 4836  | 107282  | 2648  | 111105 | 2000    | 43548  |
| 4             | 3:28:38 PM | 80      | 0       | 4947  | 108505  | 2534  | 111459 | 1952    | 43264  |
| 5             | 3:30:03 PM | 69      | 0       | 4977  | 108950  | 2596  | 112289 | 2061    | 43566  |
| x             |            | 73      | 0       | 4900  | 107785  | 2603  | 111286 | 1993    | 43377  |
| σ             |            | 5.03    | 0.03    | 92.28 | 1253.61 | 42.69 | 881.19 | 52.17   | 306.63 |
| %RSD          |            | 6.883   | 223.607 | 1.883 | 1.163   | 1.640 | 0.792  | 2.617   | 0.707  |

| Run           | Time       | 207Pb  | 208Pb  | 220Bkg  |
|---------------|------------|--------|--------|---------|
| Dwell (mSecs) |            | 0.0    | 0.0    | 0.0     |
| Limits        | %RSD       | 5.0%   | 5.0%   | -       |
|               | Countrate  | >500   | >500   | <2500   |
| 1             | 3:24:22 PM | 38927  | 93034  | 0       |
| 2             | 3:25:47 PM | 39480  | 94529  | 0       |
| 3             | 3:27:12 PM | 39094  | 93966  | 0       |
| 4             | 3:28:38 PM | 39465  | 94809  | 0       |
| 5             | 3:30:03 PM | 39552  | 94395  | 0       |
| x             |            | 39304  | 94146  | 0       |
| σ             |            | 275.74 | 692.35 | 0.04    |
| %RSD          |            | 0.702  | 0.735  | 136.931 |

**Ratio results**

| Run          | Time       | 156Ce O/140Ce |
|--------------|------------|---------------|
| Ratio limits |            | <0.0500       |
| 1            | 3:24:22 PM | 0             |
| 2            | 3:25:47 PM | 0             |

|           |            |        |
|-----------|------------|--------|
| 3         | 3:27:12 PM | 0      |
| 4         | 3:28:38 PM | 0      |
| 5         | 3:30:03 PM | 0      |
| $\bar{x}$ |            | 0.0179 |
| $\sigma$  |            | 0.00   |
| %RSD      |            | 1.9984 |

Result : The performance report passed.

## Dilution Corrected Concentrations

STD1 686021 12/29/2012 3:40:07 PM

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be    | 10B    | 11B      | 13C    | 23Na     | 25Mg     | 26Mg     |
|------|----------|----------|--------|--------|----------|--------|----------|----------|----------|
|      |          | ppb      | ppb    | ppb    | ppb      | ppb    | ppb      | ppb      | ppb      |
| 1    | 15:40:49 | 98.381%  | 0.000  | -0.020 | -0.109   | 0.000  | -1.190   | 0.200    | -0.219   |
| 2    | 15:41:31 | 99.540%  | 0.030  | -0.032 | 0.119    | 0.000  | 0.816    | -0.172   | -0.033   |
| 3    | 15:42:13 | 102.079% | -0.031 | 0.052  | -0.010   | 0.000  | 0.374    | -0.028   | 0.252    |
| X    |          | 100.000% | 0.000  | 0.000  | 0.000    | 0.000  | 0.000    | 0.000    | -0.000   |
| σ    |          | 1.892%   | 0.031  | 0.046  | 0.114    | 0.000  | 1.054    | 0.187    | 0.237    |
| %RSD |          | 1.892    | 0.000  | 0.000  | 0.000    | 0.000  | 0.000    | 0.000    | 0.000    |
| Run  | Time     | 27Al     | 28Si   | 37Cl   | 39K      | 43Ca   | 44Ca     | 45Sc     | 47Ti     |
|      |          | ppb      | ppb    | ppb    | ppb      | ppb    | ppb      | ppb      | ppb      |
| 1    | 15:40:49 | 0.450    | -0.337 | 0.000  | 0.070    | -2.960 | 1.178    | 98.344%  | 0.071    |
| 2    | 15:41:31 | -0.062   | 0.276  | 0.000  | -0.563   | -2.960 | 1.206    | 100.366% | 0.016    |
| 3    | 15:42:13 | -0.389   | 0.061  | 0.000  | 0.493    | 5.920  | -2.384   | 101.289% | -0.087   |
| X    |          | -0.000   | -0.000 | 0.000  | 0.000    | 0.000  | 0.000    | 100.000% | 0.000    |
| σ    |          | 0.423    | 0.311  | 0.000  | 0.531    | 5.127  | 2.065    | 1.506%   | 0.080    |
| %RSD |          | 0.000    | 0.000  | 0.000  | 0.000    | 0.000  | 0.000    | 1.506    | 0.000    |
| Run  | Time     | 51V      | 52Cr   | 55Mn   | 56Fe     | 57Fe   | 59Co     | 60Ni     | 63Cu     |
|      |          | ppb      | ppb    | ppb    | ppb      | ppb    | ppb      | ppb      | ppb      |
| 1    | 15:40:49 | 0.014    | 0.006  | 0.020  | 0.522    | -0.138 | 0.001    | -0.034   | -0.017   |
| 2    | 15:41:31 | -0.025   | -0.013 | 0.000  | -0.434   | -0.075 | -0.003   | -0.034   | 0.014    |
| 3    | 15:42:13 | 0.011    | 0.007  | -0.020 | -0.088   | 0.213  | 0.003    | 0.068    | 0.004    |
| X    |          | -0.000   | 0.000  | 0.000  | 0.000    | 0.000  | -0.000   | -0.000   | 0.000    |
| σ    |          | 0.022    | 0.011  | 0.020  | 0.484    | 0.187  | 0.003    | 0.059    | 0.016    |
| %RSD |          | 0.000    | 0.000  | 0.000  | 0.000    | 0.000  | 0.000    | 0.000    | 0.000    |
| Run  | Time     | 65Cu     | 66Zn   | 68Zn   | 75As     | 78Se   | 82Se     | 83Kr     | 88Sr     |
|      |          | ppb      | ppb    | ppb    | ppb      | ppb    | ppb      | ppb      | ppb      |
| 1    | 15:40:49 | -0.006   | -0.151 | 0.047  | -0.033   | 0.297  | -0.113   | 0.000    | 0.010    |
| 2    | 15:41:31 | 0.038    | 0.105  | 0.059  | 0.048    | -0.145 | 0.131    | 0.000    | -0.002   |
| 3    | 15:42:13 | -0.032   | 0.046  | -0.106 | -0.016   | -0.152 | -0.019   | 0.000    | -0.008   |
| X    |          | -0.000   | 0.000  | 0.000  | -0.000   | 0.000  | -0.000   | 0.000    | 0.000    |
| σ    |          | 0.035    | 0.135  | 0.092  | 0.043    | 0.257  | 0.123    | 0.000    | 0.009    |
| %RSD |          | 0.000    | 0.000  | 0.000  | 0.000    | 0.000  | 0.000    | 0.000    | 0.000    |
| Run  | Time     | 89Y      | 95Mo   | 98Mo   | 103Rh    | 107Ag  | 109Ag    | 111Cd    | 114Cd    |
|      |          | ppb      | ppb    | ppb    | ppb      | ppb    | ppb      | ppb      | ppb      |
| 1    | 15:40:49 | 97.392%  | -0.053 | 0.044  | 97.059%  | 0.005  | 0.002    | 0.041    | 0.046    |
| 2    | 15:41:31 | 101.347% | 0.044  | -0.040 | 100.570% | -0.006 | 0.001    | -0.056   | -0.061   |
| 3    | 15:42:13 | 101.260% | 0.009  | -0.004 | 102.371% | 0.001  | -0.003   | 0.015    | 0.015    |
| X    |          | 100.000% | -0.000 | 0.000  | 100.000% | -0.000 | 0.000    | 0.000    | 0.000    |
| σ    |          | 2.259%   | 0.049  | 0.042  | 2.702%   | 0.006  | 0.003    | 0.050    | 0.055    |
| %RSD |          | 2.259    | 0.000  | 0.000  | 2.702    | 0.000  | 0.000    | 0.000    | 0.000    |
| Run  | Time     | 115In    | 118Sn  | 121Sb  | 123Sb    | 135Ba  | 137Ba    | 159Tb    | 165Ho    |
|      |          | ppb      | ppb    | ppb    | ppb      | ppb    | ppb      | ppb      | ppb      |
| 1    | 15:40:49 | 96.629%  | 0.020  | -0.005 | 0.001    | -0.026 | 0.015    | 97.186%  | 96.334%  |
| 2    | 15:41:31 | 100.750% | -0.109 | 0.007  | -0.016   | -0.007 | -0.013   | 100.089% | 100.975% |
| 3    | 15:42:13 | 102.621% | 0.088  | -0.002 | 0.015    | 0.033  | -0.002   | 102.725% | 102.691% |
| X    |          | 100.000% | 0.000  | -0.000 | 0.000    | -0.000 | 0.000    | 100.000% | 100.000% |
| σ    |          | 3.066%   | 0.100  | 0.006  | 0.016    | 0.030  | 0.014    | 2.770%   | 3.288%   |
| %RSD |          | 3.066    | 0.000  | 0.000  | 0.000    | 0.000  | 0.000    | 2.770    | 3.288    |
| Run  | Time     | 203Tl    | 205Tl  | 206Pb  | 207Pb    | 208Pb  | 209Bi    |          |          |
|      |          | ppb      | ppb    | ppb    | ppb      | ppb    | ppb      |          |          |
| 1    | 15:40:49 | 0.007    | -0.001 | -0.004 | -0.011   | -0.003 | 96.019%  |          |          |
| 2    | 15:41:31 | -0.002   | 0.004  | 0.007  | 0.009    | 0.000  | 100.978% |          |          |
| 3    | 15:42:13 | -0.005   | -0.003 | -0.003 | 0.002    | 0.003  | 103.003% |          |          |
| X    |          | 0.000    | 0.000  | -0.000 | 0.000    | 0.000  | 100.000% |          |          |
| σ    |          | 0.006    | 0.004  | 0.006  | 0.010    | 0.003  | 3.593%   |          |          |
| %RSD |          | 0.000    | 0.000  | 0.000  | 0.000    | 0.000  | 3.593    |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be     | 10B      | 11B        | 13C        | 23Na       | 25Mg       | 26Mg       |
|------|----------|----------|---------|----------|------------|------------|------------|------------|------------|
|      |          | ppb      | ppb     | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 15:45:02 | 86.913%  | 202.700 | 0.491    | 0.122      | 0.000      | 101600.000 | 101600.000 | 101600.000 |
| 2    | 15:45:44 | 90.430%  | 196.900 | 0.431    | 0.128      | 0.000      | 99000.000  | 98990.000  | 98950.000  |
| 3    | 15:46:26 | 91.091%  | 200.400 | -0.665   | 0.284      | 0.000      | 99350.000  | 99460.000  | 99490.000  |
| X    |          | 89.478%  | 200.000 | 0.086    | 0.178      | 0.000      | 100000.000 | 100000.000 | 100000.000 |
| σ    |          | 2.246%   | 2.900   | 0.651    | 0.092      | 0.000      | 1432.000   | 1366.000   | 1381.000   |
| %RSD |          | 2.510    | 1.450   | 756.200  | 51.860     | 0.000      | 1.432      | 1.366      | 1.381      |
| Run  | Time     | 27Al     | 28Si    | 37Cl     | 39K        | 43Ca       | 44Ca       | 45Sc       | 47Ti       |
|      |          | ppb      | ppb     | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 15:45:02 | 1022.000 | -0.791  | 0.000    | 101500.000 | 100200.000 | 99590.000  | 87.541%    | 2.878      |
| 2    | 15:45:44 | 989.400  | 13.680  | 0.000    | 99100.000  | 99410.000  | 99390.000  | 91.671%    | 2.235      |
| 3    | 15:46:26 | 988.200  | 14.850  | 0.000    | 99360.000  | 100400.000 | 101000.000 | 93.183%    | 1.639      |
| X    |          | 1000.000 | 9.247   | 0.000    | 100000.000 | 100000.000 | 100000.000 | 90.798%    | 2.251      |
| σ    |          | 19.420   | 8.713   | 0.000    | 1336.000   | 512.700    | 882.900    | 2.921%     | 0.620      |
| %RSD |          | 1.942    | 94.220  | 0.000    | 1.336      | 0.513      | 0.883      | 3.217      | 27.530     |
| Run  | Time     | 51V      | 52Cr    | 55Mn     | 56Fe       | 57Fe       | 59Co       | 60Ni       | 63Cu       |
|      |          | ppb      | ppb     | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 15:45:02 | 199.600  | 200.100 | 998.000  | 50990.000  | 49600.000  | 199.500    | 199.100    | 197.700    |
| 2    | 15:45:44 | 198.400  | 197.200 | 994.700  | 49550.000  | 50040.000  | 198.800    | 199.600    | 199.600    |
| 3    | 15:46:26 | 202.000  | 202.800 | 1007.000 | 49460.000  | 50360.000  | 201.700    | 201.300    | 202.600    |
| X    |          | 200.000  | 200.000 | 1000.000 | 50000.000  | 50000.000  | 200.000    | 200.000    | 200.000    |
| σ    |          | 1.831    | 2.809   | 6.517    | 859.100    | 379.200    | 1.504      | 1.134      | 2.468      |
| %RSD |          | 0.916    | 1.405   | 0.652    | 1.718      | 0.758      | 0.752      | 0.567      | 1.234      |
| Run  | Time     | 65Cu     | 66Zn    | 68Zn     | 75As       | 78Se       | 82Se       | 83Kr       | 88Sr       |
|      |          | ppb      | ppb     | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 15:45:02 | 199.900  | 198.100 | 200.200  | 195.000    | 198.400    | 195.000    | 0.000      | 199.100    |
| 2    | 15:45:44 | 198.900  | 198.500 | 197.800  | 202.800    | 201.200    | 200.700    | 0.000      | 201.400    |
| 3    | 15:46:26 | 201.200  | 203.500 | 202.000  | 202.200    | 200.400    | 204.300    | 0.000      | 199.500    |
| X    |          | 200.000  | 200.000 | 200.000  | 200.000    | 200.000    | 200.000    | 0.000      | 200.000    |
| σ    |          | 1.163    | 2.997   | 2.085    | 4.316      | 1.441      | 4.721      | 0.000      | 1.218      |
| %RSD |          | 0.582    | 1.499   | 1.043    | 2.158      | 0.721      | 2.361      | 0.000      | 0.609      |
| Run  | Time     | 89Y      | 95Mo    | 98Mo     | 103Rh      | 107Ag      | 109Ag      | 111Cd      | 114Cd      |
|      |          | ppb      | ppb     | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 15:45:02 | 88.014%  | 1.250   | 1.637    | 84.062%    | 199.600    | 199.300    | 201.100    | 198.200    |
| 2    | 15:45:44 | 91.792%  | 1.335   | 1.211    | 88.304%    | 200.800    | 199.700    | 199.200    | 200.200    |
| 3    | 15:46:26 | 94.567%  | 1.000   | 1.449    | 90.657%    | 199.600    | 200.900    | 199.600    | 201.600    |
| X    |          | 91.458%  | 1.195   | 1.432    | 87.674%    | 200.000    | 200.000    | 200.000    | 200.000    |
| σ    |          | 3.290%   | 0.174   | 0.214    | 3.343%     | 0.736      | 0.844      | 0.982      | 1.697      |
| %RSD |          | 3.597    | 14.570  | 14.910   | 3.812      | 0.368      | 0.422      | 0.491      | 0.848      |
| Run  | Time     | 115In    | 118Sn   | 121Sb    | 123Sb      | 135Ba      | 137Ba      | 159Tb      | 165Ho      |
|      |          | ppb      | ppb     | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 15:45:02 | 88.249%  | 1.277   | 0.078    | 0.108      | 197.800    | 199.900    | 93.198%    | 94.353%    |
| 2    | 15:45:44 | 93.517%  | 1.353   | 0.113    | 0.077      | 200.500    | 200.900    | 97.812%    | 99.261%    |
| 3    | 15:46:26 | 95.667%  | 2.092   | 0.140    | 0.148      | 201.800    | 199.200    | 101.975%   | 102.557%   |
| X    |          | 92.478%  | 1.574   | 0.110    | 0.111      | 200.000    | 200.000    | 97.662%    | 98.724%    |
| σ    |          | 3.816%   | 0.450   | 0.031    | 0.035      | 2.034      | 0.819      | 4.390%     | 4.128%     |
| %RSD |          | 4.127    | 28.600  | 28.430   | 31.800     | 1.017      | 0.410      | 4.495      | 4.182      |
| Run  | Time     | 203Tl    | 205Tl   | 206Pb    | 207Pb      | 208Pb      | 209Bi      |            |            |
|      |          | ppb      | ppb     | ppb      | ppb        | ppb        | ppb        |            |            |
| 1    | 15:45:02 | 196.900  | 196.600 | 196.100  | 197.000    | 196.900    | 92.703%    |            |            |
| 2    | 15:45:44 | 201.000  | 200.300 | 201.600  | 199.400    | 200.400    | 96.873%    |            |            |
| 3    | 15:46:26 | 202.100  | 203.100 | 202.400  | 203.600    | 202.800    | 98.609%    |            |            |
| X    |          | 200.000  | 200.000 | 200.000  | 200.000    | 200.000    | 96.062%    |            |            |
| σ    |          | 2.718    | 3.294   | 3.416    | 3.377      | 2.973      | 3.035%     |            |            |
| %RSD |          | 1.359    | 1.647   | 1.708    | 1.689      | 1.487      | 3.160      |            |            |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be       | 10B     | 11B     | 13C     | 23Na     | 25Mg     | 26Mg     |
|------|----------|---------|-----------|---------|---------|---------|----------|----------|----------|
|      |          | ppb     | ppb       | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 15:49:16 | 87.748% | 0.073     | 196.800 | 200.300 | 0.000   | 74.690   | 74.370   | 72.960   |
| 2    | 15:49:58 | 89.445% | 0.240     | 196.200 | 201.600 | 0.000   | 74.630   | 77.680   | 76.040   |
| 3    | 15:50:40 | 89.557% | 0.071     | 207.000 | 198.100 | 0.000   | 82.030   | 83.460   | 76.830   |
| X    |          | 88.917% | 0.128     | 200.000 | 200.000 | 0.000   | 77.120   | 78.500   | 75.280   |
| σ    |          | 1.014%  | 0.097     | 6.075   | 1.762   | 0.000   | 4.257    | 4.597    | 2.044    |
| %RSD |          | 1.140   | 76.000    | 3.038   | 0.881   | 0.000   | 5.520    | 5.856    | 2.715    |
| Run  | Time     | 27Al    | 28Si      | 37Cl    | 39K     | 43Ca    | 44Ca     | 45Sc     | 47Ti     |
|      |          | ppb     | ppb       | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 15:49:16 | 20.020  | 10030.000 | 0.000   | 88.070  | 138.000 | 169.300  | 92.821%  | 202.600  |
| 2    | 15:49:58 | 12.640  | 10050.000 | 0.000   | 95.670  | 94.090  | 187.200  | 92.905%  | 197.800  |
| 3    | 15:50:40 | 9.491   | 9925.000  | 0.000   | 100.900 | 137.800 | 191.400  | 92.856%  | 199.700  |
| X    |          | 14.050  | 10000.000 | 0.000   | 94.890  | 123.300 | 182.600  | 92.861%  | 200.000  |
| σ    |          | 5.405   | 65.410    | 0.000   | 6.471   | 25.310  | 11.700   | 0.042%   | 2.420    |
| %RSD |          | 38.460  | 0.654     | 0.000   | 6.819   | 20.520  | 6.405    | 0.045    | 1.210    |
| Run  | Time     | 51V     | 52Cr      | 55Mn    | 56Fe    | 57Fe    | 59Co     | 60Ni     | 63Cu     |
|      |          | ppb     | ppb       | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 15:49:16 | 0.195   | 0.123     | 1.062   | 134.600 | 164.500 | 0.143    | 0.335    | 0.484    |
| 2    | 15:49:58 | 0.217   | 0.100     | 1.050   | 82.130  | 106.200 | 0.145    | 0.480    | 0.488    |
| 3    | 15:50:40 | 0.165   | 0.128     | 1.063   | 67.740  | 85.140  | 0.215    | 0.278    | 0.328    |
| X    |          | 0.192   | 0.117     | 1.058   | 94.810  | 118.600 | 0.168    | 0.364    | 0.433    |
| σ    |          | 0.026   | 0.015     | 0.007   | 35.170  | 41.110  | 0.041    | 0.104    | 0.091    |
| %RSD |          | 13.340  | 12.570    | 0.683   | 37.100  | 34.650  | 24.520   | 28.640   | 21.090   |
| Run  | Time     | 65Cu    | 66Zn      | 68Zn    | 75As    | 78Se    | 82Se     | 83Kr     | 88Sr     |
|      |          | ppb     | ppb       | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 15:49:16 | 0.784   | 2.205     | 2.423   | 0.289   | 1.830   | 0.264    | 0.000    | 0.605    |
| 2    | 15:49:58 | 0.576   | 2.209     | 2.385   | 0.459   | 0.121   | 1.028    | 0.000    | 0.575    |
| 3    | 15:50:40 | 0.557   | 2.576     | 2.121   | 0.399   | 0.014   | 0.568    | 0.000    | 0.588    |
| X    |          | 0.639   | 2.330     | 2.310   | 0.382   | 0.655   | 0.620    | 0.000    | 0.589    |
| σ    |          | 0.126   | 0.213     | 0.165   | 0.086   | 1.019   | 0.385    | 0.000    | 0.015    |
| %RSD |          | 19.730  | 9.133     | 7.128   | 22.570  | 155.600 | 62.030   | 0.000    | 2.614    |
| Run  | Time     | 89Y     | 95Mo      | 98Mo    | 103Rh   | 107Ag   | 109Ag    | 111Cd    | 114Cd    |
|      |          | ppb     | ppb       | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 15:49:16 | 94.248% | 199.200   | 198.900 | 95.554% | 0.290   | 0.307    | 0.126    | -0.748   |
| 2    | 15:49:58 | 95.395% | 198.200   | 202.000 | 96.478% | 0.294   | 0.235    | 0.283    | -0.411   |
| 3    | 15:50:40 | 95.496% | 202.600   | 199.100 | 96.684% | 0.294   | 0.214    | 0.001    | -0.779   |
| X    |          | 95.046% | 200.000   | 200.000 | 96.239% | 0.292   | 0.252    | 0.137    | -0.646   |
| σ    |          | 0.694%  | 2.339     | 1.714   | 0.602%  | 0.002   | 0.049    | 0.141    | 0.204    |
| %RSD |          | 0.730   | 1.170     | 0.857   | 0.625   | 0.819   | 19.430   | 103.400  | 31.630   |
| Run  | Time     | 115In   | 118Sn     | 121Sb   | 123Sb   | 135Ba   | 137Ba    | 159Tb    | 165Ho    |
|      |          | ppb     | ppb       | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 15:49:16 | 97.476% | 199.500   | 197.600 | 198.800 | 0.241   | 0.595    | 99.883%  | 100.525% |
| 2    | 15:49:58 | 99.385% | 200.400   | 200.000 | 199.800 | 0.326   | 0.535    | 100.210% | 102.201% |
| 3    | 15:50:40 | 98.910% | 200.000   | 202.400 | 201.500 | 0.302   | 0.416    | 101.423% | 101.898% |
| X    |          | 98.590% | 200.000   | 200.000 | 200.000 | 0.290   | 0.515    | 100.506% | 101.541% |
| σ    |          | 0.994%  | 0.463     | 2.373   | 1.374   | 0.044   | 0.091    | 0.811%   | 0.893%   |
| %RSD |          | 1.008   | 0.232     | 1.187   | 0.687   | 15.010  | 17.670   | 0.807    | 0.879    |
| Run  | Time     | 203Tl   | 205Tl     | 206Pb   | 207Pb   | 208Pb   | 209Bi    |          |          |
|      |          | ppb     | ppb       | ppb     | ppb     | ppb     | ppb      |          |          |
| 1    | 15:49:16 | 0.267   | 0.283     | 0.319   | 0.316   | 0.294   | 102.441% |          |          |
| 2    | 15:49:58 | 0.258   | 0.228     | 0.261   | 0.248   | 0.254   | 103.971% |          |          |
| 3    | 15:50:40 | 0.240   | 0.270     | 0.249   | 0.180   | 0.215   | 104.500% |          |          |
| X    |          | 0.255   | 0.260     | 0.276   | 0.248   | 0.254   | 103.637% |          |          |
| σ    |          | 0.014   | 0.029     | 0.038   | 0.068   | 0.039   | 1.069%   |          |          |
| %RSD |          | 5.399   | 11.150    | 13.670  | 27.380  | 15.440  | 1.032    |          |          |



ICV 660333 12/29/2012 3:52:50 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 15:53:32 | 89.973%  | 82.530   | 90.530   | 86.040    | 0.000     | 40900.000 | 35850.000 | 36080.000 |
| 2    | 15:54:13 | 90.892%  | 86.170   | 86.960   | 87.900    | 0.000     | 40640.000 | 35960.000 | 36280.000 |
| 3    | 15:54:55 | 89.500%  | 82.190   | 93.450   | 88.280    | 0.000     | 41330.000 | 36760.000 | 36860.000 |
| X    |          | 90.122%  | 104.538% | 112.892% | 109.256%  | 0.000     | 102.396%  | 90.476%   | 91.020%   |
| σ    |          | 0.708%   | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 0.785    | 2.641    | 3.596    | 1.368     | 0.000     | 0.859     | 1.381     | 1.107     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 15:53:32 | 408.100  | 4452.000 | 0.000    | 41890.000 | 41300.000 | 40770.000 | 92.340%   | 87.300    |
| 2    | 15:54:13 | 408.200  | 4474.000 | 0.000    | 41690.000 | 41530.000 | 41060.000 | 93.200%   | 88.980    |
| 3    | 15:54:55 | 412.200  | 4567.000 | 0.000    | 41900.000 | 41850.000 | 41570.000 | 93.296%   | 87.430    |
| X    |          | 102.378% | 112.439% | 0.000    | 104.562%  | 103.905%  | 102.834%  | 92.945%   | 109.879%  |
| σ    |          | n/a      | n/a      | 0.000    | n/a       | n/a       | n/a       | 0.526%    | n/a       |
| %RSD |          | 0.569    | 1.360    | 0.000    | 0.289     | 0.667     | 0.984     | 0.566     | 1.062     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 15:53:32 | 80.910   | 82.610   | 406.900  | 20230.000 | 20140.000 | 82.220    | 82.470    | 83.240    |
| 2    | 15:54:13 | 82.290   | 83.250   | 414.500  | 20000.000 | 20270.000 | 82.340    | 83.840    | 82.330    |
| 3    | 15:54:55 | 81.710   | 83.830   | 413.500  | 20020.000 | 20460.000 | 83.620    | 85.770    | 85.020    |
| X    |          | 102.045% | 104.035% | 102.906% | 100.417%  | 101.428%  | 103.408%  | 105.032%  | 104.410%  |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 0.849    | 0.729    | 0.997    | 0.632     | 0.793     | 0.939     | 1.973     | 1.636     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 15:53:32 | 82.360   | 84.220   | 84.850   | 80.680    | 81.360    | 83.740    | 0.000     | 74.600    |
| 2    | 15:54:13 | 83.530   | 82.880   | 86.570   | 81.620    | 81.180    | 83.260    | 0.000     | 74.570    |
| 3    | 15:54:55 | 84.440   | 85.320   | 86.000   | 80.560    | 75.930    | 82.210    | 0.000     | 75.180    |
| X    |          | 104.304% | 105.176% | 107.261% | 101.192%  | 99.364%   | 103.836%  | 0.000     | 93.482%   |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 1.251    | 1.453    | 1.021    | 0.718     | 3.878     | 0.944     | 0.000     | 0.456     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 15:53:32 | 103.307% | 78.680   | 79.380   | 97.108%   | 78.250    | 79.800    | 81.940    | 80.130    |
| 2    | 15:54:13 | 106.171% | 79.180   | 80.020   | 100.045%  | 78.500    | 79.450    | 80.780    | 79.020    |
| 3    | 15:54:55 | 106.646% | 81.510   | 81.420   | 100.385%  | 78.490    | 78.960    | 78.520    | 78.620    |
| X    |          | 105.375% | 99.738%  | 100.341% | 99.179%   | 98.019%   | 99.253%   | 100.519%  | 99.069%   |
| σ    |          | 1.807%   | n/a      | n/a      | 1.802%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 1.714    | 1.887    | 1.305    | 1.817     | 0.184     | 0.529     | 2.166     | 0.983     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 15:53:32 | 99.936%  | 83.070   | 80.870   | 81.980    | 77.740    | 78.920    | 104.529%  | 105.051%  |
| 2    | 15:54:13 | 103.375% | 81.820   | 80.440   | 80.140    | 78.480    | 80.860    | 106.702%  | 109.095%  |
| 3    | 15:54:55 | 104.879% | 80.780   | 82.130   | 80.530    | 79.790    | 80.690    | 108.436%  | 109.717%  |
| X    |          | 102.730% | 102.360% | 101.435% | 101.105%  | 98.337%   | 100.198%  | 106.556%  | 107.955%  |
| σ    |          | 2.534%   | n/a      | n/a      | n/a       | n/a       | n/a       | 1.958%    | 2.534%    |
| %RSD |          | 2.466    | 1.403    | 1.085    | 1.202     | 1.319     | 1.337     | 1.837     | 2.347     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 15:53:32 | 81.700   | 81.190   | 79.150   | 78.310    | 78.840    | 104.085%  |           |           |
| 2    | 15:54:13 | 81.510   | 82.680   | 79.290   | 79.650    | 79.610    | 107.037%  |           |           |
| 3    | 15:54:55 | 82.310   | 82.600   | 80.590   | 79.420    | 79.900    | 107.933%  |           |           |
| X    |          | 102.300% | 102.696% | 99.598%  | 98.907%   | 99.318%   | 106.351%  |           |           |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | 2.013%    |           |           |
| %RSD |          | 0.512    | 1.020    | 0.999    | 0.906     | 0.689     | 1.893     |           |           |

ICB 12/29/2012 4:00:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be     | 10B     | 11B      | 13C     | 23Na     | 25Mg     | 26Mg     |
|------|----------|----------|---------|---------|----------|---------|----------|----------|----------|
|      |          | ppb      | ppb     | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:01:22 | 99.768%  | -0.031  | 0.184   | 0.632    | 0.000   | -41.750  | 2.805    | 4.272    |
| 2    | 16:02:04 | 99.139%  | -0.031  | 0.742   | 0.617    | 0.000   | -37.700  | 3.497    | 4.476    |
| 3    | 16:02:45 | 99.759%  | -0.031  | 0.623   | 0.394    | 0.000   | -30.150  | 9.995    | 9.364    |
| X    |          | 99.555%  | -0.031  | 0.516   | 0.548    | 0.000   | -36.530  | 5.432    | 6.037    |
| σ    |          | 0.361%   | 0.000   | 0.294   | 0.133    | 0.000   | 5.888    | 3.966    | 2.883    |
| %RSD |          | 0.362    | 0.000   | 56.960  | 24.330   | 0.000   | 16.120   | 73.010   | 47.750   |
| Run  | Time     | 27Al     | 28Si    | 37Cl    | 39K      | 43Ca    | 44Ca     | 45Sc     | 47Ti     |
|      |          | ppb      | ppb     | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:01:22 | -4.083   | 6.606   | 0.000   | 12.990   | 5.853   | 6.025    | 102.234% | 0.065    |
| 2    | 16:02:04 | -4.052   | 6.346   | 0.000   | 16.550   | 5.768   | 7.953    | 103.322% | 0.214    |
| 3    | 16:02:45 | -3.403   | 6.926   | 0.000   | 20.940   | 49.640  | 15.690   | 102.812% | 0.014    |
| X    |          | -3.846   | 6.626   | 0.000   | 16.820   | 20.420  | 9.888    | 102.789% | 0.098    |
| σ    |          | 0.384    | 0.291   | 0.000   | 3.985    | 25.300  | 5.112    | 0.544%   | 0.104    |
| %RSD |          | 9.980    | 4.388   | 0.000   | 23.680   | 123.900 | 51.700   | 0.530    | 106.700  |
| Run  | Time     | 51V      | 52Cr    | 55Mn    | 56Fe     | 57Fe    | 59Co     | 60Ni     | 63Cu     |
|      |          | ppb      | ppb     | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:01:22 | -0.018   | 0.067   | 0.008   | 13.470   | 15.370  | 0.015    | 0.049    | 0.063    |
| 2    | 16:02:04 | 0.012    | 0.012   | 0.009   | 10.030   | 11.060  | -0.008   | -0.035   | 0.009    |
| 3    | 16:02:45 | 0.011    | 0.050   | 0.129   | 10.830   | 13.440  | 0.002    | 0.015    | 0.001    |
| X    |          | 0.002    | 0.043   | 0.049   | 11.440   | 13.290  | 0.003    | 0.010    | 0.025    |
| σ    |          | 0.017    | 0.028   | 0.070   | 1.802    | 2.161   | 0.011    | 0.042    | 0.034    |
| %RSD |          | 981.200  | 64.950  | 143.200 | 15.750   | 16.260  | 357.000  | 432.500  | 136.700  |
| Run  | Time     | 65Cu     | 66Zn    | 68Zn    | 75As     | 78Se    | 82Se     | 83Kr     | 88Sr     |
|      |          | ppb      | ppb     | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:01:22 | -0.019   | 0.281   | 0.611   | -0.069   | -1.270  | -0.179   | 0.000    | 0.016    |
| 2    | 16:02:04 | 0.027    | 0.253   | 0.254   | -0.333   | -0.092  | -0.994   | 0.000    | 0.011    |
| 3    | 16:02:45 | 0.259    | 0.639   | 0.657   | -0.079   | -1.042  | -0.473   | 0.000    | 0.127    |
| X    |          | 0.089    | 0.391   | 0.507   | -0.161   | -0.802  | -0.549   | 0.000    | 0.051    |
| σ    |          | 0.149    | 0.215   | 0.221   | 0.149    | 0.625   | 0.413    | 0.000    | 0.066    |
| %RSD |          | 167.200  | 55.110  | 43.530  | 92.990   | 77.930  | 75.180   | 0.000    | 128.400  |
| Run  | Time     | 89Y      | 95Mo    | 98Mo    | 103Rh    | 107Ag   | 109Ag    | 111Cd    | 114Cd    |
|      |          | ppb      | ppb     | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:01:22 | 103.501% | 0.313   | 0.344   | 104.144% | 0.019   | 0.025    | 0.085    | 0.023    |
| 2    | 16:02:04 | 105.086% | 0.060   | 0.174   | 105.300% | 0.023   | 0.013    | -0.029   | -0.122   |
| 3    | 16:02:45 | 105.867% | 0.290   | 0.289   | 105.986% | 0.001   | 0.012    | 0.099    | -0.023   |
| X    |          | 104.818% | 0.221   | 0.269   | 105.143% | 0.014   | 0.017    | 0.052    | -0.041   |
| σ    |          | 1.205%   | 0.140   | 0.087   | 0.931%   | 0.012   | 0.007    | 0.070    | 0.074    |
| %RSD |          | 1.150    | 63.370  | 32.300  | 0.885    | 82.890  | 43.160   | 135.000  | 181.300  |
| Run  | Time     | 115In    | 118Sn   | 121Sb   | 123Sb    | 135Ba   | 137Ba    | 159Tb    | 165Ho    |
|      |          | ppb      | ppb     | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:01:22 | 103.754% | 0.397   | 0.043   | 0.030    | -0.032  | -0.040   | 104.469% | 104.825% |
| 2    | 16:02:04 | 106.739% | 0.075   | 0.041   | 0.018    | -0.055  | -0.029   | 107.029% | 108.061% |
| 3    | 16:02:45 | 108.219% | -0.354  | 0.060   | 0.053    | 0.026   | -0.017   | 108.137% | 108.887% |
| X    |          | 106.238% | 0.040   | 0.048   | 0.034    | -0.021  | -0.029   | 106.545% | 107.258% |
| σ    |          | 2.274%   | 0.377   | 0.010   | 0.018    | 0.042   | 0.012    | 1.881%   | 2.147%   |
| %RSD |          | 2.141    | 948.000 | 21.640  | 51.800   | 202.100 | 40.260   | 1.766    | 2.001    |
| Run  | Time     | 203Tl    | 205Tl   | 206Pb   | 207Pb    | 208Pb   | 209Bi    |          |          |
|      |          | ppb      | ppb     | ppb     | ppb      | ppb     | ppb      |          |          |
| 1    | 16:01:22 | 0.025    | 0.045   | 0.019   | 0.026    | 0.022   | 107.395% |          |          |
| 2    | 16:02:04 | 0.024    | 0.020   | 0.013   | 0.010    | 0.020   | 109.586% |          |          |
| 3    | 16:02:45 | 0.024    | 0.039   | 0.026   | 0.035    | 0.025   | 110.036% |          |          |
| X    |          | 0.024    | 0.035   | 0.019   | 0.024    | 0.022   | 109.005% |          |          |
| σ    |          | 0.001    | 0.013   | 0.007   | 0.013    | 0.003   | 1.413%   |          |          |
| %RSD |          | 2.670    | 37.300  | 35.400  | 54.230   | 12.220  | 1.296    |          |          |

CRI 667994 12/29/2012 4:04:58 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B      | 13C      | 23Na     | 25Mg     | 26Mg     |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:05:40 | 89.816%  | 1.270    | 7.382    | 6.914    | 0.000    | 66.570   | 99.100   | 100.600  |
| 2    | 16:06:21 | 89.841%  | 1.203    | 8.335    | 7.797    | 0.000    | 67.670   | 100.800  | 100.800  |
| 3    | 16:07:03 | 89.236%  | 1.312    | 5.619    | 7.619    | 0.000    | 64.820   | 100.700  | 103.500  |
| x    |          | 89.631%  | 126.158% | 142.235% | 148.868% | 0.000    | 82.944%  | 100.183% | 101.648% |
| σ    |          | 0.342%   | n/a      | n/a      | n/a      | 0.000    | n/a      | n/a      | n/a      |
| %RSD |          | 0.382    | 4.361    | 19.380   | 6.271    | 0.000    | 2.168    | 0.939    | 1.611    |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K      | 43Ca     | 44Ca     | 45Sc     | 47Ti     |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:05:40 | 28.890   | 500.100  | 0.000    | 94.290   | 116.700  | 110.800  | 110.286% | 5.399    |
| 2    | 16:06:21 | 28.540   | 505.600  | 0.000    | 94.720   | 124.100  | 118.100  | 111.083% | 5.501    |
| 3    | 16:07:03 | 29.170   | 505.500  | 0.000    | 97.110   | 112.500  | 107.500  | 110.422% | 4.445    |
| x    |          | 96.220%  | 100.749% | 0.000    | 95.372%  | 117.792% | 112.135% | 110.597% | 102.303% |
| σ    |          | n/a      | n/a      | 0.000    | n/a      | n/a      | n/a      | 0.426%   | n/a      |
| %RSD |          | 1.098    | 0.622    | 0.000    | 1.592    | 4.988    | 4.823    | 0.385    | 11.380   |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe     | 57Fe     | 59Co     | 60Ni     | 63Cu     |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:05:40 | 0.863    | 1.917    | 4.880    | 49.600   | 69.280   | 0.469    | 1.028    | 1.852    |
| 2    | 16:06:21 | 0.930    | 1.954    | 4.781    | 48.740   | 62.410   | 0.496    | 1.405    | 2.127    |
| 3    | 16:07:03 | 0.914    | 1.761    | 4.918    | 48.830   | 59.420   | 0.561    | 1.119    | 1.903    |
| x    |          | 90.256%  | 93.856%  | 97.196%  | 98.108%  | 127.404% | 101.672% | 118.374% | 98.026%  |
| σ    |          | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| %RSD |          | 3.859    | 5.458    | 1.459    | 0.964    | 7.940    | 9.312    | 16.610   | 7.453    |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As     | 78Se     | 82Se     | 83Kr     | 88Sr     |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:05:40 | 2.083    | 8.184    | 8.548    | 0.917    | 3.122    | 5.322    | 0.000    | 5.010    |
| 2    | 16:06:21 | 2.506    | 7.855    | 7.925    | 1.130    | 3.076    | 5.118    | 0.000    | 4.971    |
| 3    | 16:07:03 | 2.102    | 8.095    | 7.882    | 0.747    | 5.893    | 4.597    | 0.000    | 4.966    |
| x    |          | 111.506% | 160.891% | 162.365% | 93.121%  | 80.604%  | 100.246% | 0.000    | 99.642%  |
| σ    |          | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | 0.000    | n/a      |
| %RSD |          | 10.720   | 2.111    | 4.592    | 20.610   | 40.020   | 7.459    | 0.000    | 0.483    |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh    | 107Ag    | 109Ag    | 111Cd    | 114Cd    |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:05:40 | 100.594% | 4.786    | 5.035    | 101.963% | 1.057    | 1.084    | 1.196    | 0.932    |
| 2    | 16:06:21 | 101.200% | 5.377    | 5.227    | 102.602% | 1.018    | 1.047    | 1.163    | 1.113    |
| 3    | 16:07:03 | 101.707% | 4.938    | 4.863    | 102.229% | 0.968    | 1.049    | 1.299    | 1.019    |
| x    |          | 101.167% | 100.675% | 100.832% | 102.264% | 101.403% | 106.011% | 121.963% | 102.130% |
| σ    |          | 0.557%   | n/a      | n/a      | 0.321%   | n/a      | n/a      | n/a      | n/a      |
| %RSD |          | 0.551    | 6.099    | 3.613    | 0.314    | 4.415    | 1.981    | 5.805    | 8.856    |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb    | 135Ba    | 137Ba    | 159Tb    | 165Ho    |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:05:40 | 103.395% | 5.354    | 1.929    | 2.063    | 9.938    | 9.920    | 104.032% | 104.803% |
| 2    | 16:06:21 | 103.669% | 5.721    | 2.165    | 2.184    | 10.250   | 9.720    | 104.271% | 105.328% |
| 3    | 16:07:03 | 103.776% | 5.958    | 2.009    | 2.089    | 9.906    | 9.422    | 103.829% | 105.578% |
| x    |          | 103.613% | 113.557% | 101.710% | 105.611% | 100.323% | 96.877%  | 104.044% | 105.236% |
| σ    |          | 0.196%   | n/a      | n/a      | n/a      | n/a      | n/a      | 0.221%   | 0.396%   |
| %RSD |          | 0.190    | 5.358    | 5.904    | 3.015    | 1.914    | 2.588    | 0.213    | 0.376    |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb    | 208Pb    | 209Bi    |          |          |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |          |          |
| 1    | 16:05:40 | 0.891    | 0.992    | 0.918    | 0.987    | 0.983    | 106.403% |          |          |
| 2    | 16:06:21 | 1.117    | 1.012    | 1.010    | 1.038    | 1.003    | 107.866% |          |          |
| 3    | 16:07:03 | 0.984    | 1.026    | 1.177    | 1.046    | 1.093    | 107.312% |          |          |
| x    |          | 99.712%  | 101.005% | 103.507% | 102.360% | 102.635% | 107.194% |          |          |
| σ    |          | n/a      | n/a      | n/a      | n/a      | n/a      | 0.738%   |          |          |
| %RSD |          | 11.380   | 1.658    | 12.710   | 3.133    | 5.715    | 0.689    |          |          |

ICSA 668877 12/29/2012 4:09:15 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li        | 9Be      | 10B      | 11B        | 13C        | 23Na       | 25Mg       | 26Mg       |
|------|----------|------------|----------|----------|------------|------------|------------|------------|------------|
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:09:57 | 86.330%    | 0.005    | 1.398    | 0.607      | 0.000      | 102500.000 | 102200.000 | 102300.000 |
| 2    | 16:10:38 | 87.848%    | 0.004    | -0.275   | 0.579      | 0.000      | 102100.000 | 101400.000 | 101800.000 |
| 3    | 16:11:20 | 89.540%    | 0.037    | 0.326    | 0.358      | 0.000      | 100600.000 | 100300.000 | 100500.000 |
| X    |          | 87.906%    | 0.015    | 0.483    | 0.515      | 0.000      | 101700.000 | 101300.000 | 101500.000 |
| σ    |          | 1.606%     | 0.019    | 0.847    | 0.136      | 0.000      | 997.000    | 950.000    | 968.400    |
| %RSD |          | 1.827      | 124.700  | 175.300  | 26.460     | 0.000      | 0.980      | 0.938      | 0.954      |
| Run  | Time     | 27Al       | 28Si     | 37Cl     | 39K        | 43Ca       | 44Ca       | 45Sc       | 47Ti       |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:09:57 | 117300.000 | 27.310   | 0.000    | 102700.000 | 104200.000 | 103600.000 | 85.202%    | 2277.000   |
| 2    | 16:10:38 | 116200.000 | 28.060   | 0.000    | 102100.000 | 103900.000 | 104400.000 | 87.555%    | 2298.000   |
| 3    | 16:11:20 | 114800.000 | 26.770   | 0.000    | 101100.000 | 104200.000 | 104300.000 | 88.830%    | 2268.000   |
| X    |          | 116100.000 | 27.380   | 0.000    | 101900.000 | 104100.000 | 104100.000 | 87.196%    | 2281.000   |
| σ    |          | 1262.000   | 0.649    | 0.000    | 841.500    | 167.800    | 423.900    | 1.840%     | 14.930     |
| %RSD |          | 1.087      | 2.370    | 0.000    | 0.825      | 0.161      | 0.407      | 2.111      | 0.655      |
| Run  | Time     | 51V        | 52Cr     | 55Mn     | 56Fe       | 57Fe       | 59Co       | 60Ni       | 63Cu       |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:09:57 | -0.634     | -0.031   | 0.542    | 102800.000 | 104900.000 | 0.105      | 0.483      | 1.048      |
| 2    | 16:10:38 | -0.369     | -0.035   | 0.528    | 100700.000 | 105100.000 | 0.086      | 0.443      | 1.215      |
| 3    | 16:11:20 | -0.812     | 0.031    | 0.391    | 99910.000  | 106400.000 | 0.066      | 0.420      | 1.052      |
| X    |          | -0.605     | -0.012   | 0.487    | 101100.000 | 105500.000 | 0.085      | 0.449      | 1.105      |
| σ    |          | 0.223      | 0.037    | 0.083    | 1472.000   | 797.300    | 0.020      | 0.032      | 0.095      |
| %RSD |          | 36.880     | 321.600  | 17.100   | 1.456      | 0.756      | 23.010     | 7.151      | 8.614      |
| Run  | Time     | 65Cu       | 66Zn     | 68Zn     | 75As       | 78Se       | 82Se       | 83Kr       | 88Sr       |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:09:57 | 1.987      | 4.079    | 2.232    | 0.316      | -0.709     | 0.665      | 0.000      | 5.185      |
| 2    | 16:10:38 | 1.810      | 3.893    | 2.319    | -0.392     | -0.304     | -0.965     | 0.000      | 4.713      |
| 3    | 16:11:20 | 1.931      | 3.700    | 1.973    | -0.337     | -1.114     | -1.358     | 0.000      | 5.013      |
| X    |          | 1.909      | 3.891    | 2.174    | -0.138     | -0.709     | -0.552     | 0.000      | 4.970      |
| σ    |          | 0.091      | 0.189    | 0.180    | 0.394      | 0.405      | 1.073      | 0.000      | 0.239      |
| %RSD |          | 4.759      | 4.868    | 8.283    | 285.800    | 57.170     | 194.100    | 0.000      | 4.802      |
| Run  | Time     | 89Y        | 95Mo     | 98Mo     | 103Rh      | 107Ag      | 109Ag      | 111Cd      | 114Cd      |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:09:57 | 86.527%    | 2159.000 | 2194.000 | 81.662%    | 0.095      | 0.076      | 0.576      | 0.354      |
| 2    | 16:10:38 | 90.693%    | 2145.000 | 2197.000 | 85.781%    | 0.059      | 0.090      | 0.316      | 0.103      |
| 3    | 16:11:20 | 92.156%    | 2163.000 | 2186.000 | 87.908%    | 0.087      | 0.079      | 0.980      | 0.241      |
| X    |          | 89.792%    | 2156.000 | 2193.000 | 85.117%    | 0.080      | 0.082      | 0.624      | 0.233      |
| σ    |          | 2.921%     | 9.366    | 5.714    | 3.176%     | 0.019      | 0.008      | 0.334      | 0.126      |
| %RSD |          | 3.253      | 0.435    | 0.261    | 3.731      | 23.460     | 9.217      | 53.580     | 54.010     |
| Run  | Time     | 115In      | 118Sn    | 121Sb    | 123Sb      | 135Ba      | 137Ba      | 159Tb      | 165Ho      |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:09:57 | 88.339%    | 5.047    | 0.301    | 0.309      | 0.343      | 0.319      | 95.077%    | 96.486%    |
| 2    | 16:10:38 | 93.942%    | 4.274    | 0.269    | 0.302      | 0.273      | 0.273      | 98.915%    | 101.972%   |
| 3    | 16:11:20 | 96.996%    | 3.620    | 0.216    | 0.392      | 0.261      | 0.341      | 101.915%   | 103.912%   |
| X    |          | 93.092%    | 4.314    | 0.262    | 0.334      | 0.292      | 0.311      | 98.635%    | 100.790%   |
| σ    |          | 4.390%     | 0.715    | 0.043    | 0.050      | 0.044      | 0.035      | 3.428%     | 3.851%     |
| %RSD |          | 4.716      | 16.570   | 16.270   | 14.950     | 14.980     | 11.220     | 3.475      | 3.821      |
| Run  | Time     | 203Tl      | 205Tl    | 206Pb    | 207Pb      | 208Pb      | 209Bi      |            |            |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        |            |            |
| 1    | 16:09:57 | 0.030      | 0.047    | 0.188    | 0.179      | 0.166      | 96.862%    |            |            |
| 2    | 16:10:38 | 0.031      | 0.030    | 0.156    | 0.161      | 0.144      | 98.410%    |            |            |
| 3    | 16:11:20 | 0.030      | 0.025    | 0.127    | 0.169      | 0.139      | 101.492%   |            |            |
| X    |          | 0.030      | 0.034    | 0.157    | 0.169      | 0.149      | 98.921%    |            |            |
| σ    |          | 0.001      | 0.012    | 0.031    | 0.009      | 0.015      | 2.357%     |            |            |
| %RSD |          | 2.840      | 33.770   | 19.500   | 5.200      | 9.796      | 2.383      |            |            |

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QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li        | 9Be      | 10B      | 11B        | 13C        | 23Na       | 25Mg       | 26Mg       |
|------|----------|------------|----------|----------|------------|------------|------------|------------|------------|
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:14:14 | 91.109%    | 20.470   | 53.700   | 49.360     | 0.000      | 102200.000 | 101500.000 | 101600.000 |
| 2    | 16:14:56 | 94.240%    | 20.550   | 52.670   | 48.800     | 0.000      | 99910.000  | 99500.000  | 99880.000  |
| 3    | 16:15:37 | 94.288%    | 22.700   | 49.920   | 48.270     | 0.000      | 99950.000  | 99320.000  | 99760.000  |
| X    |          | 93.212%    | 106.193% | 104.194% | 97.620%    | 0.000      | 100.674%   | 100.100%   | 100.414%   |
| σ    |          | 1.822%     | n/a      | n/a      | n/a        | 0.000      | n/a        | n/a        | n/a        |
| %RSD |          | 1.955      | 5.946    | 3.750    | 1.109      | 0.000      | 1.282      | 1.198      | 1.025      |
| Run  | Time     | 27Al       | 28Si     | 37Cl     | 39K        | 43Ca       | 44Ca       | 45Sc       | 47Ti       |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:14:14 | 115900.000 | 525.700  | 0.000    | 102000.000 | 105700.000 | 104900.000 | 90.435%    | 2254.000   |
| 2    | 16:14:56 | 114300.000 | 524.800  | 0.000    | 100800.000 | 103900.000 | 104800.000 | 92.036%    | 2245.000   |
| 3    | 16:15:37 | 113800.000 | 520.800  | 0.000    | 100200.000 | 104900.000 | 105100.000 | 92.679%    | 2237.000   |
| X    |          | 114.638%   | 104.755% | 0.000    | 100.999%   | 104.833%   | 104.935%   | 91.717%    | 112.271%   |
| σ    |          | n/a        | n/a      | 0.000    | n/a        | n/a        | n/a        | 1.155%     | n/a        |
| %RSD |          | 0.975      | 0.494    | 0.000    | 0.933      | 0.851      | 0.120      | 1.260      | 0.372      |
| Run  | Time     | 51V        | 52Cr     | 55Mn     | 56Fe       | 57Fe       | 59Co       | 60Ni       | 63Cu       |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:14:14 | 20.510     | 20.050   | 20.400   | 98730.000  | 103600.000 | 19.760     | 19.370     | 20.410     |
| 2    | 16:14:56 | 19.740     | 20.520   | 20.270   | 97080.000  | 104200.000 | 19.910     | 18.650     | 20.470     |
| 3    | 16:15:37 | 19.850     | 20.250   | 20.930   | 97080.000  | 104300.000 | 20.090     | 20.570     | 21.160     |
| X    |          | 100.181%   | 101.361% | 102.673% | 97.630%    | 104.055%   | 99.605%    | 97.650%    | 103.400%   |
| σ    |          | n/a        | n/a      | n/a      | n/a        | n/a        | n/a        | n/a        | n/a        |
| %RSD |          | 2.085      | 1.177    | 1.710    | 0.976      | 0.348      | 0.843      | 4.976      | 2.025      |
| Run  | Time     | 65Cu       | 66Zn     | 68Zn     | 75As       | 78Se       | 82Se       | 83Kr       | 88Sr       |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:14:14 | 21.370     | 23.240   | 20.450   | 19.710     | 48.070     | 48.440     | 0.000      | 23.810     |
| 2    | 16:14:56 | 19.670     | 23.330   | 21.930   | 19.990     | 49.990     | 52.330     | 0.000      | 23.840     |
| 3    | 16:15:37 | 22.040     | 23.340   | 22.400   | 22.220     | 52.180     | 52.650     | 0.000      | 23.580     |
| X    |          | 105.130%   | 93.225%  | 86.372%  | 103.195%   | 100.159%   | 102.283%   | 0.000      | 118.722%   |
| σ    |          | n/a        | n/a      | n/a      | n/a        | n/a        | n/a        | 0.000      | n/a        |
| %RSD |          | 5.826      | 0.241    | 4.721    | 6.658      | 4.100      | 4.577      | 0.000      | 0.593      |
| Run  | Time     | 89Y        | 95Mo     | 98Mo     | 103Rh      | 107Ag      | 109Ag      | 111Cd      | 114Cd      |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:14:14 | 101.368%   | 2070.000 | 2141.000 | 88.426%    | 20.340     | 20.470     | 20.470     | 19.670     |
| 2    | 16:14:56 | 103.458%   | 2081.000 | 2148.000 | 90.684%    | 21.010     | 19.940     | 20.920     | 20.020     |
| 3    | 16:15:37 | 104.570%   | 2088.000 | 2167.000 | 91.161%    | 20.010     | 19.750     | 19.950     | 19.510     |
| X    |          | 103.132%   | 103.998% | 107.590% | 90.091%    | 102.269%   | 100.258%   | 102.225%   | 98.669%    |
| σ    |          | 1.626%     | n/a      | n/a      | 1.461%     | n/a        | n/a        | n/a        | n/a        |
| %RSD |          | 1.576      | 0.433    | 0.614    | 1.621      | 2.498      | 1.874      | 2.383      | 1.333      |
| Run  | Time     | 115In      | 118Sn    | 121Sb    | 123Sb      | 135Ba      | 137Ba      | 159Tb      | 165Ho      |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        | ppb        | ppb        |
| 1    | 16:14:14 | 96.156%    | 110.400  | 21.320   | 21.470     | 20.900     | 20.460     | 103.455%   | 104.895%   |
| 2    | 16:14:56 | 99.302%    | 108.500  | 21.960   | 21.260     | 22.380     | 21.610     | 106.416%   | 108.235%   |
| 3    | 16:15:37 | 100.208%   | 110.400  | 21.580   | 21.670     | 21.430     | 21.730     | 108.098%   | 110.064%   |
| X    |          | 98.555%    | 109.762% | 108.098% | 107.333%   | 107.843%   | 106.326%   | 105.990%   | 107.731%   |
| σ    |          | 2.127%     | n/a      | n/a      | n/a        | n/a        | n/a        | 2.351%     | 2.621%     |
| %RSD |          | 2.158      | 0.987    | 1.487    | 0.952      | 3.484      | 3.307      | 2.218      | 2.433      |
| Run  | Time     | 203Tl      | 205Tl    | 206Pb    | 207Pb      | 208Pb      | 209Bi      |            |            |
|      |          | ppb        | ppb      | ppb      | ppb        | ppb        | ppb        |            |            |
| 1    | 16:14:14 | 20.360     | 20.360   | 21.400   | 21.530     | 21.390     | 102.212%   |            |            |
| 2    | 16:14:56 | 21.090     | 20.700   | 21.360   | 21.310     | 21.450     | 105.234%   |            |            |
| 3    | 16:15:37 | 21.010     | 20.890   | 21.290   | 21.670     | 21.590     | 105.119%   |            |            |
| X    |          | 104.115%   | 103.255% | 106.752% | 107.513%   | 107.397%   | 104.188%   |            |            |
| σ    |          | n/a        | n/a      | n/a      | n/a        | n/a        | 1.713%     |            |            |
| %RSD |          | 1.924      | 1.291    | 0.241    | 0.857      | 0.471      | 1.644      |            |            |

CCV 664806 12/29/2012 4:21:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:22:03 | 87.342%  | 102.900  | 107.600  | 97.350    | 0.000     | 50640.000 | 50570.000 | 45700.000 |
| 2    | 16:22:44 | 87.952%  | 100.700  | 105.900  | 99.090    | 0.000     | 50130.000 | 45490.000 | 45990.000 |
| 3    | 16:23:26 | 89.616%  | 104.000  | 96.410   | 99.390    | 0.000     | 49630.000 | 45570.000 | 45850.000 |
| X    |          | 88.303%  | 102.567% | 103.295% | 98.612%   | 0.000     | 100.271%  | 94.421%   | 91.695%   |
| σ    |          | 1.177%   | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 1.333    | 1.642    | 5.831    | 1.118     | 0.000     | 1.004     | 6.172     | 0.314     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:22:03 | 514.800  | 5066.000 | 0.000    | 50150.000 | 50850.000 | 50150.000 | 92.109%   | 101.400   |
| 2    | 16:22:44 | 509.400  | 5097.000 | 0.000    | 49920.000 | 50970.000 | 50400.000 | 93.088%   | 103.600   |
| 3    | 16:23:26 | 508.400  | 5082.000 | 0.000    | 49630.000 | 50980.000 | 51020.000 | 93.151%   | 100.200   |
| X    |          | 102.170% | 101.637% | 0.000    | 99.794%   | 101.863%  | 101.046%  | 92.783%   | 101.716%  |
| σ    |          | n/a      | n/a      | 0.000    | n/a       | n/a       | n/a       | 0.584%    | n/a       |
| %RSD |          | 0.679    | 0.307    | 0.000    | 0.526     | 0.139     | 0.883     | 0.629     | 1.741     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:22:03 | 97.770   | 99.190   | 503.100  | 24740.000 | 25300.000 | 101.200   | 100.500   | 100.200   |
| 2    | 16:22:44 | 99.300   | 99.940   | 507.600  | 24360.000 | 25300.000 | 101.300   | 100.200   | 101.900   |
| 3    | 16:23:26 | 101.100  | 101.300  | 510.100  | 24350.000 | 25480.000 | 102.100   | 100.900   | 102.400   |
| X    |          | 99.380%  | 100.159% | 101.382% | 97.939%   | 101.437%  | 101.544%  | 100.534%  | 101.472%  |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 1.665    | 1.095    | 0.704    | 0.920     | 0.396     | 0.463     | 0.344     | 1.149     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:22:03 | 101.000  | 103.700  | 106.000  | 102.900   | 96.820    | 101.200   | 0.000     | 99.390    |
| 2    | 16:22:44 | 101.500  | 102.400  | 104.300  | 100.600   | 104.300   | 103.700   | 0.000     | 99.340    |
| 3    | 16:23:26 | 102.100  | 104.900  | 103.600  | 100.300   | 101.000   | 103.900   | 0.000     | 98.420    |
| X    |          | 101.559% | 103.682% | 104.634% | 101.275%  | 100.705%  | 102.954%  | 0.000     | 99.052%   |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 0.566    | 1.250    | 1.194    | 1.409     | 3.742     | 1.448     | 0.000     | 0.553     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:22:03 | 97.150%  | 103.100  | 103.500  | 95.325%   | 98.370    | 97.350    | 98.180    | 97.060    |
| 2    | 16:22:44 | 99.072%  | 102.500  | 102.700  | 97.379%   | 97.570    | 97.930    | 100.300   | 96.800    |
| 3    | 16:23:26 | 99.645%  | 105.100  | 103.200  | 97.906%   | 98.990    | 97.920    | 97.030    | 96.480    |
| X    |          | 98.622%  | 103.571% | 103.144% | 96.870%   | 98.311%   | 97.734%   | 98.512%   | 96.781%   |
| σ    |          | 1.307%   | n/a      | n/a      | 1.364%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 1.325    | 1.322    | 0.409    | 1.408     | 0.722     | 0.337     | 1.693     | 0.304     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:22:03 | 99.780%  | 99.470   | 100.400  | 99.170    | 97.960    | 96.860    | 104.235%  | 106.705%  |
| 2    | 16:22:44 | 103.954% | 98.110   | 98.940   | 100.400   | 99.310    | 99.180    | 108.104%  | 109.368%  |
| 3    | 16:23:26 | 104.779% | 99.330   | 99.130   | 98.250    | 97.890    | 99.830    | 109.767%  | 110.787%  |
| X    |          | 102.838% | 98.969%  | 99.492%  | 99.285%   | 98.386%   | 98.622%   | 107.368%  | 108.954%  |
| σ    |          | 2.680%   | n/a      | n/a      | n/a       | n/a       | n/a       | 2.838%    | 2.072%    |
| %RSD |          | 2.606    | 0.754    | 0.802    | 1.101     | 0.812     | 1.587     | 2.643     | 1.902     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 16:22:03 | 99.950   | 99.110   | 100.200  | 99.210    | 99.690    | 103.595%  |           |           |
| 2    | 16:22:44 | 99.320   | 99.730   | 101.000  | 99.500    | 100.000   | 107.133%  |           |           |
| 3    | 16:23:26 | 100.200  | 99.890   | 100.100  | 99.650    | 100.000   | 107.969%  |           |           |
| X    |          | 99.836%  | 99.577%  | 100.453% | 99.454%   | 99.910%   | 106.232%  |           |           |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | 2.322%    |           |           |
| %RSD |          | 0.465    | 0.413    | 0.517    | 0.223     | 0.194     | 2.185     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be     | 10B    | 11B      | 13C      | 23Na     | 25Mg     | 26Mg     |
|------|----------|----------|---------|--------|----------|----------|----------|----------|----------|
|      |          | ppb      | ppb     | ppb    | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:29:10 | 97.260%  | -0.031  | 0.098  | 0.577    | 0.000    | -30.430  | 3.497    | 4.598    |
| 2    | 16:29:52 | 100.338% | -0.000  | 0.174  | 0.277    | 0.000    | -29.890  | 4.539    | 3.702    |
| 3    | 16:30:34 | 102.955% | -0.031  | 0.253  | 0.125    | 0.000    | -25.840  | 8.476    | 7.005    |
| X    |          | 100.184% | -0.021  | 0.175  | 0.326    | 0.000    | -28.720  | 5.504    | 5.102    |
| σ    |          | 2.851%   | 0.017   | 0.078  | 0.230    | 0.000    | 2.506    | 2.626    | 1.708    |
| %RSD |          | 2.845    | 84.690  | 44.330 | 70.480   | 0.000    | 8.726    | 47.710   | 33.480   |
| Run  | Time     | 27Al     | 28Si    | 37Cl   | 39K      | 43Ca     | 44Ca     | 45Sc     | 47Ti     |
|      |          | ppb      | ppb     | ppb    | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:29:10 | -2.781   | 3.904   | 0.000  | 29.230   | 18.880   | 4.814    | 103.316% | 0.264    |
| 2    | 16:29:52 | -3.117   | 3.563   | 0.000  | 29.820   | 14.210   | 2.221    | 105.082% | 0.110    |
| 3    | 16:30:34 | -2.068   | 4.233   | 0.000  | 32.190   | 22.760   | 10.210   | 105.050% | 0.011    |
| X    |          | -2.655   | 3.900   | 0.000  | 30.410   | 18.620   | 5.748    | 104.483% | 0.129    |
| σ    |          | 0.535    | 0.335   | 0.000  | 1.568    | 4.284    | 4.076    | 1.011%   | 0.128    |
| %RSD |          | 20.170   | 8.585   | 0.000  | 5.156    | 23.010   | 70.910   | 0.967    | 99.060   |
| Run  | Time     | 51V      | 52Cr    | 55Mn   | 56Fe     | 57Fe     | 59Co     | 60Ni     | 63Cu     |
|      |          | ppb      | ppb     | ppb    | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:29:10 | 0.050    | 0.061   | 0.061  | 17.130   | 20.270   | -0.020   | 0.048    | 0.042    |
| 2    | 16:29:52 | -0.005   | -0.007  | 0.051  | 11.840   | 16.020   | -0.002   | 0.063    | -0.037   |
| 3    | 16:30:34 | 0.029    | 0.022   | 0.067  | 11.170   | 12.920   | 0.004    | 0.014    | -0.022   |
| X    |          | 0.025    | 0.025   | 0.060  | 13.380   | 16.410   | -0.006   | 0.041    | -0.006   |
| σ    |          | 0.027    | 0.034   | 0.008  | 3.266    | 3.691    | 0.013    | 0.025    | 0.042    |
| %RSD |          | 111.100  | 133.300 | 13.340 | 24.410   | 22.500   | 218.000  | 60.940   | 749.600  |
| Run  | Time     | 65Cu     | 66Zn    | 68Zn   | 75As     | 78Se     | 82Se     | 83Kr     | 88Sr     |
|      |          | ppb      | ppb     | ppb    | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:29:10 | 0.161    | 0.254   | 0.361  | 0.049    | 0.108    | 0.316    | 0.000    | 0.015    |
| 2    | 16:29:52 | 0.104    | 0.404   | 0.112  | -0.128   | 0.211    | -0.205   | 0.000    | 0.001    |
| 3    | 16:30:34 | 0.021    | 0.147   | 0.419  | 0.040    | -0.373   | -0.234   | 0.000    | 0.037    |
| X    |          | 0.095    | 0.268   | 0.297  | -0.013   | -0.018   | -0.041   | 0.000    | 0.018    |
| σ    |          | 0.071    | 0.129   | 0.163  | 0.100    | 0.311    | 0.309    | 0.000    | 0.018    |
| %RSD |          | 74.120   | 48.170  | 54.820 | 774.200  | 1742.000 | 756.900  | 0.000    | 101.200  |
| Run  | Time     | 89Y      | 95Mo    | 98Mo   | 103Rh    | 107Ag    | 109Ag    | 111Cd    | 114Cd    |
|      |          | ppb      | ppb     | ppb    | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:29:10 | 104.669% | 1.012   | 0.862  | 105.402% | 0.023    | 0.017    | 0.181    | 0.055    |
| 2    | 16:29:52 | 106.783% | 0.895   | 0.894  | 107.505% | 0.004    | 0.008    | 0.060    | -0.043   |
| 3    | 16:30:34 | 107.976% | 0.734   | 0.743  | 108.429% | 0.015    | 0.012    | 0.048    | -0.010   |
| X    |          | 106.476% | 0.880   | 0.833  | 107.112% | 0.014    | 0.012    | 0.097    | 0.001    |
| σ    |          | 1.675%   | 0.139   | 0.079  | 1.551%   | 0.009    | 0.004    | 0.073    | 0.050    |
| %RSD |          | 1.573    | 15.820  | 9.535  | 1.448    | 66.690   | 33.200   | 76.120   | 9152.000 |
| Run  | Time     | 115In    | 118Sn   | 121Sb  | 123Sb    | 135Ba    | 137Ba    | 159Tb    | 165Ho    |
|      |          | ppb      | ppb     | ppb    | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:29:10 | 106.851% | 0.315   | 0.025  | 0.003    | -0.055   | -0.017   | 107.584% | 108.035% |
| 2    | 16:29:52 | 109.450% | 0.353   | 0.032  | -0.003   | -0.097   | -0.065   | 110.443% | 110.689% |
| 3    | 16:30:34 | 109.877% | 0.007   | 0.031  | 0.007    | -0.077   | -0.030   | 111.243% | 111.671% |
| X    |          | 108.726% | 0.225   | 0.029  | 0.002    | -0.077   | -0.037   | 109.757% | 110.132% |
| σ    |          | 1.638%   | 0.190   | 0.004  | 0.005    | 0.021    | 0.025    | 1.923%   | 1.881%   |
| %RSD |          | 1.506    | 84.160  | 12.760 | 203.600  | 27.240   | 67.270   | 1.752    | 1.708    |
| Run  | Time     | 203Tl    | 205Tl   | 206Pb  | 207Pb    | 208Pb    | 209Bi    |          |          |
|      |          | ppb      | ppb     | ppb    | ppb      | ppb      | ppb      |          |          |
| 1    | 16:29:10 | 0.049    | 0.040   | 0.048  | 0.019    | 0.033    | 110.244% |          |          |
| 2    | 16:29:52 | 0.052    | 0.046   | 0.009  | 0.021    | 0.026    | 112.504% |          |          |
| 3    | 16:30:34 | 0.040    | 0.051   | 0.014  | 0.011    | 0.022    | 113.573% |          |          |
| X    |          | 0.047    | 0.046   | 0.024  | 0.017    | 0.027    | 112.107% |          |          |
| σ    |          | 0.006    | 0.005   | 0.022  | 0.005    | 0.006    | 1.700%   |          |          |
| %RSD |          | 13.010   | 11.830  | 90.540 | 29.430   | 20.660   | 1.516    |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be    | 10B     | 11B      | 13C     | 23Na     | 25Mg     | 26Mg     |
|------|----------|----------|--------|---------|----------|---------|----------|----------|----------|
|      |          | ppb      | ppb    | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:36:17 | 101.869% | -0.001 | -0.272  | 0.093    | 0.000   | -43.110  | -1.320   | -0.674   |
| 2    | 16:36:59 | 104.127% | -0.031 | -0.077  | -0.011   | 0.000   | -42.040  | -0.856   | -0.232   |
| 3    | 16:37:41 | 104.301% | -0.031 | -0.184  | -0.136   | 0.000   | -39.510  | -1.163   | -0.178   |
| X    |          | 103.432% | -0.021 | -0.178  | -0.018   | 0.000   | -41.550  | -1.113   | -0.361   |
| σ    |          | 1.357%   | 0.017  | 0.098   | 0.115    | 0.000   | 1.849    | 0.236    | 0.273    |
| %RSD |          | 1.312    | 82.980 | 54.990  | 646.700  | 0.000   | 4.449    | 21.190   | 75.440   |
| Run  | Time     | 27Al     | 28Si   | 37Cl    | 39K      | 43Ca    | 44Ca     | 45Sc     | 47Ti     |
|      |          | ppb      | ppb    | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:36:17 | -3.589   | 7.524  | 0.000   | 20.640   | -2.960  | 1.495    | 104.618% | -0.038   |
| 2    | 16:36:59 | -3.488   | 6.341  | 0.000   | 22.060   | 18.280  | 2.605    | 106.030% | 0.109    |
| 3    | 16:37:41 | -3.260   | 7.431  | 0.000   | 22.430   | 9.810   | 1.868    | 105.771% | 0.109    |
| X    |          | -3.446   | 7.099  | 0.000   | 21.710   | 8.376   | 1.989    | 105.473% | 0.060    |
| σ    |          | 0.169    | 0.658  | 0.000   | 0.949    | 10.690  | 0.565    | 0.752%   | 0.085    |
| %RSD |          | 4.889    | 9.265  | 0.000   | 4.369    | 127.600 | 28.370   | 0.713    | 141.000  |
| Run  | Time     | 51V      | 52Cr   | 55Mn    | 56Fe     | 57Fe    | 59Co     | 60Ni     | 63Cu     |
|      |          | ppb      | ppb    | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:36:17 | 0.110    | 0.050  | 0.001   | 6.206    | 8.026   | -0.026   | 0.080    | 0.141    |
| 2    | 16:36:59 | 0.011    | 0.051  | 0.018   | 5.184    | 6.374   | -0.020   | 0.013    | 0.126    |
| 3    | 16:37:41 | -0.000   | 0.041  | -0.002  | 4.357    | 7.457   | -0.014   | 0.014    | 0.002    |
| X    |          | 0.040    | 0.048  | 0.006   | 5.249    | 7.286   | -0.020   | 0.036    | 0.090    |
| σ    |          | 0.060    | 0.006  | 0.011   | 0.926    | 0.839   | 0.006    | 0.038    | 0.077    |
| %RSD |          | 150.600  | 11.640 | 195.200 | 17.640   | 11.520  | 30.160   | 107.600  | 85.250   |
| Run  | Time     | 65Cu     | 66Zn   | 68Zn    | 75As     | 78Se    | 82Se     | 83Kr     | 88Sr     |
|      |          | ppb      | ppb    | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:36:17 | 0.123    | 1.818  | 1.610   | -0.145   | 0.069   | -0.427   | 0.000    | -0.035   |
| 2    | 16:36:59 | 0.053    | 1.571  | 2.099   | -0.324   | -2.099  | -0.902   | 0.000    | -0.021   |
| 3    | 16:37:41 | 0.087    | 1.596  | 1.200   | 0.145    | -1.262  | 0.791    | 0.000    | -0.035   |
| X    |          | 0.088    | 1.662  | 1.636   | -0.108   | -1.097  | -0.179   | 0.000    | -0.031   |
| σ    |          | 0.035    | 0.136  | 0.450   | 0.237    | 1.093   | 0.873    | 0.000    | 0.008    |
| %RSD |          | 40.180   | 8.189  | 27.510  | 219.200  | 99.680  | 487.000  | 0.000    | 26.470   |
| Run  | Time     | 89Y      | 95Mo   | 98Mo    | 103Rh    | 107Ag   | 109Ag    | 111Cd    | 114Cd    |
|      |          | ppb      | ppb    | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:36:17 | 105.495% | 0.484  | 0.395   | 106.009% | 0.001   | -0.003   | 0.054    | 0.009    |
| 2    | 16:36:59 | 106.915% | 0.282  | 0.335   | 107.931% | 0.004   | -0.003   | 0.003    | -0.020   |
| 3    | 16:37:41 | 106.490% | 0.474  | 0.421   | 107.877% | -0.003  | -0.003   | 0.005    | -0.051   |
| X    |          | 106.300% | 0.414  | 0.384   | 107.272% | 0.001   | -0.003   | 0.020    | -0.021   |
| σ    |          | 0.729%   | 0.114  | 0.044   | 1.095%   | 0.004   | 0.000    | 0.029    | 0.030    |
| %RSD |          | 0.686    | 27.540 | 11.590  | 1.020    | 519.600 | 1.345    | 141.100  | 145.900  |
| Run  | Time     | 115In    | 118Sn  | 121Sb   | 123Sb    | 135Ba   | 137Ba    | 159Tb    | 165Ho    |
|      |          | ppb      | ppb    | ppb     | ppb      | ppb     | ppb      | ppb      | ppb      |
| 1    | 16:36:17 | 106.717% | 1.604  | 0.009   | -0.012   | -0.097  | -0.053   | 106.864% | 107.934% |
| 2    | 16:36:59 | 108.139% | 1.483  | -0.003  | -0.023   | -0.077  | -0.065   | 109.299% | 109.690% |
| 3    | 16:37:41 | 109.307% | 1.338  | 0.005   | -0.018   | -0.036  | -0.030   | 108.903% | 110.126% |
| X    |          | 108.054% | 1.475  | 0.004   | -0.018   | -0.070  | -0.049   | 108.356% | 109.250% |
| σ    |          | 1.297%   | 0.133  | 0.006   | 0.005    | 0.031   | 0.018    | 1.307%   | 1.161%   |
| %RSD |          | 1.200    | 9.043  | 170.500 | 29.680   | 43.990  | 36.920   | 1.206    | 1.062    |
| Run  | Time     | 203Tl    | 205Tl  | 206Pb   | 207Pb    | 208Pb   | 209Bi    |          |          |
|      |          | ppb      | ppb    | ppb     | ppb      | ppb     | ppb      |          |          |
| 1    | 16:36:17 | 0.021    | 0.025  | 0.007   | 0.025    | 0.014   | 110.691% |          |          |
| 2    | 16:36:59 | 0.016    | 0.015  | 0.014   | 0.018    | 0.017   | 112.159% |          |          |
| 3    | 16:37:41 | 0.023    | 0.010  | 0.006   | 0.015    | 0.017   | 112.245% |          |          |
| X    |          | 0.020    | 0.017  | 0.009   | 0.019    | 0.016   | 111.698% |          |          |
| σ    |          | 0.003    | 0.008  | 0.005   | 0.005    | 0.002   | 0.874%   |          |          |
| %RSD |          | 17.280   | 46.750 | 50.290  | 26.420   | 9.533   | 0.782    |          |          |



LCS 180-59010/2-A

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:40:31 | 94.663%  | 50.140   | 984.200  | 957.900   | 0.000     | 47880.000 | 42790.000 | 43220.000 |
| 2    | 16:41:13 | 94.972%  | 51.320   | 1024.000 | 979.800   | 0.000     | 47530.000 | 43370.000 | 47480.000 |
| 3    | 16:41:54 | 94.304%  | 50.540   | 1034.000 | 986.300   | 0.000     | 47680.000 | 43470.000 | 43880.000 |
| X    |          | 94.646%  | 50.670   | 1014.000 | 974.700   | 0.000     | 47700.000 | 43210.000 | 44860.000 |
| σ    |          | 0.335%   | 0.599    | 26.270   | 14.870    | 0.000     | 172.800   | 368.400   | 2293.000  |
| %RSD |          | 0.354    | 1.181    | 2.591    | 1.525     | 0.000     | 0.362     | 0.853     | 5.112     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:40:31 | 1905.000 | 9492.000 | 0.000    | 48380.000 | 50080.000 | 48890.000 | 92.944%   | 961.000   |
| 2    | 16:41:13 | 1920.000 | 9513.000 | 0.000    | 47630.000 | 49320.000 | 48770.000 | 94.877%   | 972.600   |
| 3    | 16:41:54 | 1926.000 | 9570.000 | 0.000    | 47500.000 | 50000.000 | 48960.000 | 94.411%   | 968.400   |
| X    |          | 1917.000 | 9525.000 | 0.000    | 47840.000 | 49800.000 | 48870.000 | 94.077%   | 967.300   |
| σ    |          | 10.730   | 40.360   | 0.000    | 472.300   | 417.100   | 94.450    | 1.009%    | 5.890     |
| %RSD |          | 0.560    | 0.424    | 0.000    | 0.987     | 0.838     | 0.193     | 1.072     | 0.609     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:40:31 | 488.400  | 194.500  | 489.700  | 921.200   | 1186.000  | 481.900   | 485.700   | 244.200   |
| 2    | 16:41:13 | 486.900  | 194.100  | 489.800  | 923.800   | 1190.000  | 481.900   | 484.900   | 240.700   |
| 3    | 16:41:54 | 482.600  | 193.900  | 493.400  | 926.700   | 1203.000  | 482.600   | 477.300   | 236.300   |
| X    |          | 486.000  | 194.100  | 491.000  | 923.900   | 1193.000  | 482.100   | 482.600   | 240.400   |
| σ    |          | 2.997    | 0.310    | 2.109    | 2.752     | 9.095     | 0.431     | 4.616     | 3.949     |
| %RSD |          | 0.617    | 0.160    | 0.430    | 0.298     | 0.762     | 0.089     | 0.957     | 1.643     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:40:31 | 238.400  | 510.700  | 514.000  | 38.500    | 10.490    | 10.790    | 0.000     | 953.900   |
| 2    | 16:41:13 | 237.800  | 515.700  | 522.600  | 38.780    | 8.410     | 9.416     | 0.000     | 961.500   |
| 3    | 16:41:54 | 240.700  | 515.100  | 516.100  | 37.050    | 11.220    | 9.252     | 0.000     | 960.000   |
| X    |          | 239.000  | 513.800  | 517.600  | 38.110    | 10.040    | 9.820     | 0.000     | 958.400   |
| σ    |          | 1.546    | 2.731    | 4.463    | 0.928     | 1.458     | 0.847     | 0.000     | 4.020     |
| %RSD |          | 0.647    | 0.532    | 0.862    | 2.434     | 14.520    | 8.622     | 0.000     | 0.419     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:40:31 | 97.872%  | 937.200  | 944.700  | 94.825%   | 48.360    | 48.300    | 50.520    | 41.420    |
| 2    | 16:41:13 | 99.837%  | 969.200  | 980.400  | 97.277%   | 48.100    | 49.200    | 51.420    | 41.450    |
| 3    | 16:41:54 | 99.787%  | 972.700  | 980.800  | 97.366%   | 47.900    | 47.570    | 49.540    | 41.690    |
| X    |          | 99.166%  | 959.700  | 968.600  | 96.490%   | 48.120    | 48.360    | 50.500    | 41.520    |
| σ    |          | 1.120%   | 19.590   | 20.760   | 1.442%    | 0.230     | 0.819     | 0.940     | 0.149     |
| %RSD |          | 1.130    | 2.041    | 2.143    | 1.495     | 0.478     | 1.693     | 1.862     | 0.358     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:40:31 | 99.840%  | 1964.000 | 490.900  | 491.700   | 1922.000  | 1922.000  | 104.752%  | 106.444%  |
| 2    | 16:41:13 | 102.197% | 1991.000 | 499.700  | 498.900   | 1920.000  | 1928.000  | 108.458%  | 109.237%  |
| 3    | 16:41:54 | 104.372% | 1973.000 | 493.500  | 494.700   | 1923.000  | 1911.000  | 108.673%  | 110.965%  |
| X    |          | 102.137% | 1976.000 | 494.700  | 495.100   | 1922.000  | 1920.000  | 107.294%  | 108.882%  |
| σ    |          | 2.267%   | 14.110   | 4.532    | 3.648     | 1.633     | 8.671     | 2.204%    | 2.282%    |
| %RSD |          | 2.219    | 0.714    | 0.916    | 0.737     | 0.085     | 0.452     | 2.055     | 2.095     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 16:40:31 | 45.350   | 45.650   | 19.870   | 19.400    | 19.600    | 105.065%  |           |           |
| 2    | 16:41:13 | 47.030   | 47.170   | 19.800   | 19.780    | 19.940    | 107.389%  |           |           |
| 3    | 16:41:54 | 48.310   | 47.510   | 20.090   | 20.540    | 20.220    | 107.593%  |           |           |
| X    |          | 46.900   | 46.780   | 19.920   | 19.910    | 19.920    | 106.683%  |           |           |
| σ    |          | 1.484    | 0.989    | 0.152    | 0.579     | 0.311     | 1.404%    |           |           |
| %RSD |          | 3.164    | 2.114    | 0.763    | 2.906     | 1.561     | 1.316     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:44:44 | 96.502%  | 50.270   | 1007.000 | 968.000   | 0.000     | 47820.000 | 43630.000 | 44010.000 |
| 2    | 16:45:26 | 97.184%  | 49.890   | 980.800  | 979.500   | 0.000     | 47430.000 | 43730.000 | 47850.000 |
| 3    | 16:46:08 | 95.922%  | 49.860   | 1007.000 | 976.300   | 0.000     | 47790.000 | 44150.000 | 44700.000 |
| X    |          | 96.536%  | 50.000   | 998.300  | 974.600   | 0.000     | 47680.000 | 43840.000 | 45520.000 |
| σ    |          | 0.632%   | 0.230    | 15.140   | 5.938     | 0.000     | 214.600   | 276.600   | 2045.000  |
| %RSD |          | 0.654    | 0.460    | 1.517    | 0.609     | 0.000     | 0.450     | 0.631     | 4.492     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:44:44 | 1948.000 | 9833.000 | 0.000    | 49330.000 | 51770.000 | 51020.000 | 89.396%   | 1031.000  |
| 2    | 16:45:26 | 1966.000 | 9831.000 | 0.000    | 48900.000 | 51140.000 | 51100.000 | 89.284%   | 1015.000  |
| 3    | 16:46:08 | 1971.000 | 9932.000 | 0.000    | 49380.000 | 52020.000 | 51670.000 | 87.840%   | 1037.000  |
| X    |          | 1962.000 | 9865.000 | 0.000    | 49200.000 | 51640.000 | 51260.000 | 88.840%   | 1028.000  |
| σ    |          | 11.740   | 57.420   | 0.000    | 260.700   | 456.000   | 351.700   | 0.868%    | 11.530    |
| %RSD |          | 0.598    | 0.582    | 0.000    | 0.530     | 0.883     | 0.686     | 0.977     | 1.122     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:44:44 | 511.300  | 205.100  | 516.600  | 851.400   | 1088.000  | 511.000   | 514.300   | 255.700   |
| 2    | 16:45:26 | 513.800  | 205.800  | 517.000  | 851.000   | 1138.000  | 515.000   | 509.400   | 254.200   |
| 3    | 16:46:08 | 522.000  | 208.000  | 521.100  | 859.800   | 1102.000  | 515.600   | 518.400   | 258.300   |
| X    |          | 515.700  | 206.300  | 518.200  | 854.100   | 1110.000  | 513.900   | 514.000   | 256.100   |
| σ    |          | 5.611    | 1.549    | 2.468    | 4.974     | 25.670    | 2.493     | 4.518     | 2.051     |
| %RSD |          | 1.088    | 0.751    | 0.476    | 0.582     | 2.313     | 0.485     | 0.879     | 0.801     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:44:44 | 253.100  | 538.900  | 534.600  | 41.850    | 9.946     | 8.838     | 0.000     | 980.600   |
| 2    | 16:45:26 | 255.700  | 544.000  | 545.300  | 40.310    | 9.114     | 11.590    | 0.000     | 990.500   |
| 3    | 16:46:08 | 255.600  | 542.200  | 548.800  | 41.730    | 11.060    | 11.110    | 0.000     | 988.100   |
| X    |          | 254.800  | 541.700  | 542.900  | 41.300    | 10.040    | 10.510    | 0.000     | 986.400   |
| σ    |          | 1.471    | 2.591    | 7.406    | 0.857     | 0.975     | 1.471     | 0.000     | 5.171     |
| %RSD |          | 0.577    | 0.478    | 1.364    | 2.075     | 9.713     | 13.990    | 0.000     | 0.524     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:44:44 | 95.725%  | 985.300  | 993.000  | 92.945%   | 50.600    | 50.000    | 50.010    | 42.880    |
| 2    | 16:45:26 | 95.752%  | 1010.000 | 1007.000 | 94.124%   | 49.930    | 48.990    | 51.030    | 42.240    |
| 3    | 16:46:08 | 95.731%  | 1018.000 | 1020.000 | 93.230%   | 50.700    | 49.860    | 53.480    | 43.560    |
| X    |          | 95.736%  | 1004.000 | 1007.000 | 93.433%   | 50.410    | 49.620    | 51.500    | 42.890    |
| σ    |          | 0.014%   | 16.980   | 13.750   | 0.616%    | 0.420     | 0.550     | 1.782     | 0.660     |
| %RSD |          | 0.015    | 1.691    | 1.366    | 0.659     | 0.833     | 1.109     | 3.460     | 1.539     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 16:44:44 | 98.376%  | 2035.000 | 505.700  | 501.800   | 1963.000  | 1982.000  | 103.403%  | 106.142%  |
| 2    | 16:45:26 | 100.113% | 2027.000 | 505.700  | 505.500   | 1971.000  | 1968.000  | 105.958%  | 106.819%  |
| 3    | 16:46:08 | 99.057%  | 2040.000 | 507.100  | 511.200   | 1985.000  | 1979.000  | 105.655%  | 106.816%  |
| X    |          | 99.182%  | 2034.000 | 506.200  | 506.200   | 1973.000  | 1976.000  | 105.005%  | 106.592%  |
| σ    |          | 0.875%   | 6.766    | 0.806    | 4.722     | 11.090    | 7.646     | 1.396%    | 0.390%    |
| %RSD |          | 0.882    | 0.333    | 0.159    | 0.933     | 0.562     | 0.387     | 1.329     | 0.366     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 16:44:44 | 48.770   | 48.170   | 20.640   | 20.940    | 20.670    | 102.466%  |           |           |
| 2    | 16:45:26 | 50.220   | 50.050   | 21.050   | 20.950    | 20.970    | 102.728%  |           |           |
| 3    | 16:46:08 | 50.480   | 50.660   | 21.180   | 20.720    | 21.020    | 102.295%  |           |           |
| X    |          | 49.820   | 49.630   | 20.960   | 20.870    | 20.890    | 102.496%  |           |           |
| σ    |          | 0.920    | 1.296    | 0.284    | 0.132     | 0.189     | 0.218%    |           |           |
| %RSD |          | 1.847    | 2.612    | 1.354    | 0.630     | 0.906     | 0.213     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B      | 13C       | 23Na      | 25Mg     | 26Mg     |
|------|----------|---------|----------|---------|----------|-----------|-----------|----------|----------|
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:48:58 | 93.825% | -0.031   | 161.100 | 167.000  | 0.000     | 36800.000 | 9509.000 | 9571.000 |
| 2    | 16:49:40 | 95.030% | 0.002    | 165.000 | 165.000  | 0.000     | 36540.000 | 9577.000 | 9581.000 |
| 3    | 16:50:21 | 94.214% | 0.002    | 163.600 | 166.100  | 0.000     | 36640.000 | 9596.000 | 9608.000 |
| X    |          | 94.356% | -0.009   | 163.200 | 166.000  | 0.000     | 36660.000 | 9560.000 | 9587.000 |
| σ    |          | 0.615%  | 0.019    | 1.990   | 0.991    | 0.000     | 130.600   | 45.640   | 18.730   |
| %RSD |          | 0.652   | 204.000  | 1.219   | 0.597    | 0.000     | 0.356     | 0.477    | 0.195    |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K      | 43Ca      | 44Ca      | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:48:58 | -1.924  | 5947.000 | 0.000   | 1670.000 | 26900.000 | 27180.000 | 88.875%  | 3.473    |
| 2    | 16:49:40 | -2.541  | 5967.000 | 0.000   | 1684.000 | 27500.000 | 27140.000 | 89.229%  | 2.179    |
| 3    | 16:50:21 | -2.396  | 5914.000 | 0.000   | 1673.000 | 26840.000 | 27100.000 | 89.581%  | 1.591    |
| X    |          | -2.287  | 5942.000 | 0.000   | 1676.000 | 27080.000 | 27140.000 | 89.228%  | 2.414    |
| σ    |          | 0.323   | 26.790   | 0.000   | 7.250    | 362.700   | 37.320    | 0.353%   | 0.963    |
| %RSD |          | 14.120  | 0.451    | 0.000   | 0.433    | 1.339     | 0.138     | 0.396    | 39.860   |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe     | 57Fe      | 59Co      | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:48:58 | -0.432  | 0.595    | 52.220  | 228.100  | 317.400   | 0.121     | 0.241    | 1.196    |
| 2    | 16:49:40 | -1.689  | 0.516    | 52.490  | 225.800  | 305.900   | 0.076     | 0.118    | 1.077    |
| 3    | 16:50:21 | -0.953  | 0.488    | 52.670  | 221.600  | 306.000   | 0.040     | 0.103    | 1.087    |
| X    |          | -1.025  | 0.533    | 52.460  | 225.200  | 309.800   | 0.079     | 0.154    | 1.120    |
| σ    |          | 0.632   | 0.056    | 0.227   | 3.278    | 6.605     | 0.041     | 0.075    | 0.066    |
| %RSD |          | 61.620  | 10.460   | 0.432   | 1.456    | 2.132     | 51.500    | 48.880   | 5.890    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As     | 78Se      | 82Se      | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:48:58 | 1.439   | 2.223    | 3.121   | 1.133    | -0.665    | -0.812    | 0.000    | 762.100  |
| 2    | 16:49:40 | 1.239   | 2.187    | 3.261   | 2.179    | -1.222    | -0.631    | 0.000    | 773.200  |
| 3    | 16:50:21 | 1.155   | 2.150    | 3.442   | 0.782    | -1.242    | -1.129    | 0.000    | 764.200  |
| X    |          | 1.278   | 2.187    | 3.275   | 1.365    | -1.043    | -0.857    | 0.000    | 766.500  |
| σ    |          | 0.146   | 0.036    | 0.161   | 0.726    | 0.328     | 0.252     | 0.000    | 5.919    |
| %RSD |          | 11.440  | 1.648    | 4.907   | 53.230   | 31.430    | 29.400    | 0.000    | 0.772    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh    | 107Ag     | 109Ag     | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:48:58 | 91.417% | 12.740   | 12.020  | 89.868%  | 0.002     | 0.020     | -0.005   | -0.151   |
| 2    | 16:49:40 | 92.054% | 7.237    | 7.785   | 90.813%  | 0.014     | 0.015     | 0.040    | -0.114   |
| 3    | 16:50:21 | 92.772% | 5.246    | 5.354   | 91.079%  | 0.006     | 0.006     | 0.039    | -0.111   |
| X    |          | 92.081% | 8.409    | 8.385   | 90.587%  | 0.007     | 0.014     | 0.024    | -0.125   |
| σ    |          | 0.678%  | 3.884    | 3.372   | 0.637%   | 0.006     | 0.007     | 0.026    | 0.022    |
| %RSD |          | 0.736   | 46.190   | 40.210  | 0.703    | 85.420    | 50.180    | 106.100  | 17.970   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb    | 135Ba     | 137Ba     | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:48:58 | 95.449% | 15.070   | 0.238   | 0.268    | 327.000   | 324.800   | 99.568%  | 101.071% |
| 2    | 16:49:40 | 96.700% | 10.480   | 0.156   | 0.169    | 328.800   | 330.500   | 101.270% | 103.331% |
| 3    | 16:50:21 | 97.075% | 8.274    | 0.116   | 0.112    | 332.400   | 330.200   | 102.038% | 103.130% |
| X    |          | 96.408% | 11.270   | 0.170   | 0.183    | 329.400   | 328.500   | 100.959% | 102.511% |
| σ    |          | 0.851%  | 3.466    | 0.062   | 0.079    | 2.777     | 3.188     | 1.264%   | 1.251%   |
| %RSD |          | 0.883   | 30.750   | 36.490  | 43.100   | 0.843     | 0.970     | 1.252    | 1.220    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb    | 208Pb     | 209Bi     |          |          |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       |          |          |
| 1    | 16:48:58 | 1.171   | 1.126    | 0.142   | 0.152    | 0.138     | 101.653%  |          |          |
| 2    | 16:49:40 | 0.827   | 0.858    | 0.131   | 0.116    | 0.116     | 102.889%  |          |          |
| 3    | 16:50:21 | 0.629   | 0.649    | 0.110   | 0.096    | 0.100     | 103.192%  |          |          |
| X    |          | 0.876   | 0.878    | 0.127   | 0.121    | 0.118     | 102.578%  |          |          |
| σ    |          | 0.274   | 0.239    | 0.016   | 0.029    | 0.019     | 0.816%    |          |          |
| %RSD |          | 31.280  | 27.200   | 12.820  | 23.540   | 16.110    | 0.795     |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B    | 11B     | 13C      | 23Na     | 25Mg     | 26Mg     |
|------|----------|---------|----------|--------|---------|----------|----------|----------|----------|
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:53:12 | 84.505% | 0.005    | 39.820 | 40.790  | 0.000    | 7456.000 | 1918.000 | 1917.000 |
| 2    | 16:53:54 | 84.845% | 0.041    | 39.280 | 39.960  | 0.000    | 7490.000 | 1929.000 | 1920.000 |
| 3    | 16:54:35 | 86.366% | -0.031   | 33.540 | 39.300  | 0.000    | 7396.000 | 1916.000 | 1914.000 |
| X    |          | 85.239% | 0.005    | 37.550 | 40.010  | 0.000    | 7447.000 | 1921.000 | 1917.000 |
| σ    |          | 0.991%  | 0.036    | 3.482  | 0.749   | 0.000    | 47.430   | 7.123    | 2.879    |
| %RSD |          | 1.162   | 685.900  | 9.274  | 1.872   | 0.000    | 0.637    | 0.371    | 0.150    |
| Run  | Time     | 27Al    | 28Si     | 37Cl   | 39K     | 43Ca     | 44Ca     | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:53:12 | -3.372  | 1184.000 | 0.000  | 351.000 | 5627.000 | 5391.000 | 84.915%  | 0.829    |
| 2    | 16:53:54 | -3.270  | 1186.000 | 0.000  | 355.400 | 5602.000 | 5463.000 | 84.961%  | 1.194    |
| 3    | 16:54:35 | -3.622  | 1186.000 | 0.000  | 355.400 | 5458.000 | 5516.000 | 85.066%  | 0.949    |
| X    |          | -3.422  | 1185.000 | 0.000  | 353.900 | 5562.000 | 5456.000 | 84.981%  | 0.991    |
| σ    |          | 0.181   | 1.191    | 0.000  | 2.530   | 91.220   | 62.960   | 0.078%   | 0.186    |
| %RSD |          | 5.301   | 0.101    | 0.000  | 0.715   | 1.640    | 1.154    | 0.091    | 18.780   |
| Run  | Time     | 51V     | 52Cr     | 55Mn   | 56Fe    | 57Fe     | 59Co     | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:53:12 | 0.121   | 0.146    | 10.500 | 47.310  | 65.180   | 0.205    | 0.300    | 0.542    |
| 2    | 16:53:54 | 0.050   | 0.061    | 10.430 | 46.640  | 61.300   | 0.127    | 0.199    | 0.470    |
| 3    | 16:54:35 | -0.372  | 0.142    | 10.920 | 46.530  | 62.510   | 0.150    | 0.320    | 0.345    |
| X    |          | -0.067  | 0.116    | 10.620 | 46.830  | 63.000   | 0.161    | 0.273    | 0.452    |
| σ    |          | 0.267   | 0.048    | 0.265  | 0.425   | 1.984    | 0.040    | 0.065    | 0.100    |
| %RSD |          | 398.000 | 41.360   | 2.491  | 0.907   | 3.150    | 24.650   | 23.910   | 22.100   |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn   | 75As    | 78Se     | 82Se     | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:53:12 | 0.377   | 0.948    | 1.555  | 0.170   | -1.280   | -0.838   | 0.000    | 151.900  |
| 2    | 16:53:54 | 0.493   | 0.650    | 1.543  | -0.346  | -0.968   | -0.958   | 0.000    | 153.600  |
| 3    | 16:54:35 | 0.515   | 1.031    | 1.099  | -0.477  | -1.634   | -1.939   | 0.000    | 153.400  |
| X    |          | 0.462   | 0.876    | 1.399  | -0.217  | -1.294   | -1.245   | 0.000    | 152.900  |
| σ    |          | 0.074   | 0.200    | 0.259  | 0.342   | 0.333    | 0.604    | 0.000    | 0.921    |
| %RSD |          | 16.080  | 22.870   | 18.550 | 157.300 | 25.730   | 48.500   | 0.000    | 0.602    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo   | 103Rh   | 107Ag    | 109Ag    | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:53:12 | 86.762% | 2.500    | 2.444  | 86.980% | 0.002    | 0.016    | 0.034    | -0.042   |
| 2    | 16:53:54 | 87.800% | 2.397    | 2.371  | 87.778% | 0.028    | 0.016    | 0.089    | -0.050   |
| 3    | 16:54:35 | 87.297% | 2.114    | 2.050  | 87.587% | 0.028    | 0.016    | -0.045   | -0.062   |
| X    |          | 87.286% | 2.337    | 2.288  | 87.448% | 0.019    | 0.016    | 0.026    | -0.051   |
| σ    |          | 0.519%  | 0.200    | 0.210  | 0.417%  | 0.015    | 0.000    | 0.067    | 0.010    |
| %RSD |          | 0.595   | 8.566    | 9.157  | 0.477   | 76.570   | 0.997    | 260.100  | 19.270   |
| Run  | Time     | 115In   | 118Sn    | 121Sb  | 123Sb   | 135Ba    | 137Ba    | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb      | ppb      | ppb      |
| 1    | 16:53:12 | 90.617% | 4.743    | 0.266  | 0.242   | 66.190   | 66.890   | 95.164%  | 95.903%  |
| 2    | 16:53:54 | 92.174% | 4.147    | 0.188  | 0.297   | 64.420   | 66.080   | 96.237%  | 97.336%  |
| 3    | 16:54:35 | 91.980% | 4.307    | 0.175  | 0.232   | 66.700   | 65.360   | 96.566%  | 96.393%  |
| X    |          | 91.590% | 4.399    | 0.209  | 0.257   | 65.770   | 66.110   | 95.989%  | 96.544%  |
| σ    |          | 0.848%  | 0.309    | 0.049  | 0.035   | 1.198    | 0.761    | 0.733%   | 0.728%   |
| %RSD |          | 0.926   | 7.017    | 23.550 | 13.490  | 1.822    | 1.152    | 0.764    | 0.754    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb  | 207Pb   | 208Pb    | 209Bi    |          |          |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb      |          |          |
| 1    | 16:53:12 | 0.454   | 0.430    | 0.024  | 0.025   | 0.030    | 96.218%  |          |          |
| 2    | 16:53:54 | 0.433   | 0.407    | 0.024  | 0.032   | 0.029    | 97.303%  |          |          |
| 3    | 16:54:35 | 0.420   | 0.320    | 0.027  | 0.024   | 0.040    | 97.930%  |          |          |
| X    |          | 0.436   | 0.385    | 0.025  | 0.027   | 0.033    | 97.150%  |          |          |
| σ    |          | 0.017   | 0.058    | 0.002  | 0.004   | 0.006    | 0.866%   |          |          |
| %RSD |          | 3.841   | 15.080   | 6.052  | 14.950  | 18.910   | 0.892    |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B      | 13C       | 23Na      | 25Mg     | 26Mg     |
|------|----------|---------|----------|---------|----------|-----------|-----------|----------|----------|
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:57:27 | 86.384% | 0.040    | 33.880  | 33.720   | 0.000     | 15360.000 | 5170.000 | 5169.000 |
| 2    | 16:58:09 | 86.428% | 0.146    | 34.600  | 34.600   | 0.000     | 15350.000 | 5220.000 | 5216.000 |
| 3    | 16:58:51 | 88.002% | 0.178    | 29.890  | 33.330   | 0.000     | 15120.000 | 5137.000 | 5160.000 |
| X    |          | 86.938% | 0.121    | 32.790  | 33.880   | 0.000     | 15280.000 | 5176.000 | 5182.000 |
| σ    |          | 0.922%  | 0.072    | 2.537   | 0.647    | 0.000     | 135.300   | 42.170   | 29.750   |
| %RSD |          | 1.060   | 59.480   | 7.739   | 1.909    | 0.000     | 0.886     | 0.815    | 0.574    |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K      | 43Ca      | 44Ca      | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:57:27 | 978.300 | 3459.000 | 0.000   | 2004.000 | 24750.000 | 24530.000 | 82.998%  | 9.719    |
| 2    | 16:58:09 | 981.400 | 3456.000 | 0.000   | 2006.000 | 24850.000 | 24430.000 | 83.608%  | 10.330   |
| 3    | 16:58:51 | 976.500 | 3403.000 | 0.000   | 2018.000 | 25180.000 | 24500.000 | 83.497%  | 9.842    |
| X    |          | 978.700 | 3439.000 | 0.000   | 2009.000 | 24920.000 | 24490.000 | 83.367%  | 9.962    |
| σ    |          | 2.465   | 31.460   | 0.000   | 7.661    | 224.300   | 47.380    | 0.325%   | 0.321    |
| %RSD |          | 0.252   | 0.915    | 0.000   | 0.381    | 0.900     | 0.194     | 0.390    | 3.224    |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe     | 57Fe      | 59Co      | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:57:27 | 0.727   | 1.953    | 264.800 | 2066.000 | 2530.000  | 2.808     | 5.267    | 30.350   |
| 2    | 16:58:09 | 1.140   | 1.810    | 266.900 | 2072.000 | 2603.000  | 2.890     | 6.167    | 29.530   |
| 3    | 16:58:51 | 1.343   | 1.952    | 267.300 | 2082.000 | 2547.000  | 2.863     | 6.894    | 28.550   |
| X    |          | 1.070   | 1.905    | 266.300 | 2073.000 | 2560.000  | 2.854     | 6.110    | 29.470   |
| σ    |          | 0.314   | 0.082    | 1.333   | 8.526    | 38.410    | 0.042     | 0.815    | 0.901    |
| %RSD |          | 29.330  | 4.307    | 0.501   | 0.411    | 1.500     | 1.460     | 13.340   | 3.058    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As     | 78Se      | 82Se      | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:57:27 | 27.630  | 27.130   | 28.350  | 0.833    | -0.684    | -0.927    | 0.000    | 124.800  |
| 2    | 16:58:09 | 27.530  | 28.080   | 30.350  | 0.035    | -0.499    | -2.002    | 0.000    | 126.200  |
| 3    | 16:58:51 | 30.070  | 27.910   | 26.620  | 0.495    | -1.070    | -0.067    | 0.000    | 125.800  |
| X    |          | 28.410  | 27.710   | 28.440  | 0.454    | -0.751    | -0.999    | 0.000    | 125.600  |
| σ    |          | 1.436   | 0.508    | 1.870   | 0.400    | 0.291     | 0.970     | 0.000    | 0.707    |
| %RSD |          | 5.055   | 1.833    | 6.573   | 88.080   | 38.760    | 97.090    | 0.000    | 0.563    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh    | 107Ag     | 109Ag     | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:57:27 | 86.485% | 1.238    | 1.621   | 84.379%  | 0.034     | 0.032     | 0.224    | 0.152    |
| 2    | 16:58:09 | 87.674% | 1.609    | 1.552   | 85.890%  | 0.072     | 0.073     | 0.001    | 0.025    |
| 3    | 16:58:51 | 87.912% | 1.357    | 1.523   | 86.236%  | 0.029     | 0.035     | 0.008    | 0.117    |
| X    |          | 87.357% | 1.401    | 1.565   | 85.502%  | 0.045     | 0.046     | 0.078    | 0.098    |
| σ    |          | 0.765%  | 0.190    | 0.050   | 0.988%   | 0.024     | 0.023     | 0.127    | 0.066    |
| %RSD |          | 0.875   | 13.540   | 3.225   | 1.155    | 53.220    | 48.990    | 162.700  | 67.130   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb    | 135Ba     | 137Ba     | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 16:57:27 | 88.135% | 5.341    | 0.183   | 0.152    | 45.790    | 46.100    | 93.094%  | 94.343%  |
| 2    | 16:58:09 | 91.642% | 5.105    | 0.189   | 0.162    | 48.870    | 46.890    | 96.223%  | 97.280%  |
| 3    | 16:58:51 | 91.464% | 4.710    | 0.222   | 0.240    | 45.850    | 45.580    | 96.456%  | 97.519%  |
| X    |          | 90.414% | 5.052    | 0.198   | 0.185    | 46.840    | 46.190    | 95.258%  | 96.381%  |
| σ    |          | 1.975%  | 0.319    | 0.021   | 0.048    | 1.760     | 0.661     | 1.877%   | 1.769%   |
| %RSD |          | 2.185   | 6.309    | 10.500  | 26.020   | 3.758     | 1.432     | 1.971    | 1.835    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb    | 208Pb     | 209Bi     |          |          |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       |          |          |
| 1    | 16:57:27 | 0.247   | 0.278    | 5.653   | 5.732    | 5.691     | 97.148%   |          |          |
| 2    | 16:58:09 | 0.215   | 0.271    | 5.806   | 5.670    | 5.715     | 98.242%   |          |          |
| 3    | 16:58:51 | 0.228   | 0.226    | 5.799   | 5.747    | 5.751     | 99.369%   |          |          |
| X    |          | 0.230   | 0.258    | 5.753   | 5.716    | 5.719     | 98.253%   |          |          |
| σ    |          | 0.016   | 0.028    | 0.086   | 0.041    | 0.030     | 1.111%    |          |          |
| %RSD |          | 6.944   | 10.930   | 1.500   | 0.716    | 0.521     | 1.130     |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B      | 13C       | 23Na      | 25Mg     | 26Mg     |
|------|----------|---------|----------|---------|----------|-----------|-----------|----------|----------|
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:01:43 | 86.269% | 0.040    | 30.260  | 31.620   | 0.000     | 15830.000 | 4886.000 | 4871.000 |
| 2    | 17:02:25 | 87.806% | -0.031   | 29.890  | 30.870   | 0.000     | 15830.000 | 4898.000 | 4891.000 |
| 3    | 17:03:06 | 87.204% | 0.074    | 30.730  | 30.550   | 0.000     | 15840.000 | 4897.000 | 4924.000 |
| X    |          | 87.093% | 0.028    | 30.300  | 31.010   | 0.000     | 15830.000 | 4894.000 | 4896.000 |
| σ    |          | 0.774%  | 0.054    | 0.418   | 0.551    | 0.000     | 3.879     | 6.397    | 26.990   |
| %RSD |          | 0.889   | 191.500  | 1.380   | 1.777    | 0.000     | 0.024     | 0.131    | 0.551    |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K      | 43Ca      | 44Ca      | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:01:43 | 570.900 | 2292.000 | 0.000   | 1923.000 | 23900.000 | 23240.000 | 81.535%  | 2.075    |
| 2    | 17:02:25 | 571.000 | 2304.000 | 0.000   | 1932.000 | 23460.000 | 23210.000 | 81.732%  | 1.499    |
| 3    | 17:03:06 | 577.800 | 2301.000 | 0.000   | 1930.000 | 23740.000 | 23450.000 | 81.500%  | 2.648    |
| X    |          | 573.300 | 2299.000 | 0.000   | 1928.000 | 23700.000 | 23300.000 | 81.589%  | 2.074    |
| σ    |          | 3.953   | 6.071    | 0.000   | 4.826    | 218.800   | 129.400   | 0.125%   | 0.575    |
| %RSD |          | 0.690   | 0.264    | 0.000   | 0.250    | 0.923     | 0.555     | 0.153    | 27.710   |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe     | 57Fe      | 59Co      | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:01:43 | -0.553  | 0.747    | 47.960  | 683.100  | 889.200   | 0.222     | 2.718    | 56.360   |
| 2    | 17:02:25 | -1.436  | 0.876    | 47.910  | 679.800  | 859.000   | 0.296     | 2.938    | 57.610   |
| 3    | 17:03:06 | -0.646  | 0.702    | 48.270  | 681.500  | 868.000   | 0.292     | 2.692    | 57.020   |
| X    |          | -0.878  | 0.775    | 48.050  | 681.500  | 872.100   | 0.270     | 2.783    | 57.000   |
| σ    |          | 0.486   | 0.090    | 0.194   | 1.610    | 15.500    | 0.042     | 0.135    | 0.622    |
| %RSD |          | 55.290  | 11.660   | 0.404   | 0.236    | 1.777     | 15.510    | 4.858    | 1.091    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As     | 78Se      | 82Se      | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:01:43 | 56.700  | 143.200  | 141.500 | -0.644   | -1.654    | -2.650    | 0.000    | 120.400  |
| 2    | 17:02:25 | 56.000  | 140.700  | 142.200 | -0.118   | -1.087    | -0.925    | 0.000    | 120.700  |
| 3    | 17:03:06 | 56.370  | 143.900  | 140.600 | -0.281   | -1.435    | -1.087    | 0.000    | 121.900  |
| X    |          | 56.360  | 142.600  | 141.400 | -0.348   | -1.392    | -1.554    | 0.000    | 121.000  |
| σ    |          | 0.351   | 1.663    | 0.774   | 0.270    | 0.286     | 0.952     | 0.000    | 0.778    |
| %RSD |          | 0.623   | 1.166    | 0.547   | 77.540   | 20.530    | 61.280    | 0.000    | 0.643    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh    | 107Ag     | 109Ag     | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:01:43 | 84.117% | 1.194    | 1.451   | 83.342%  | 0.093     | 0.056     | 0.277    | 0.110    |
| 2    | 17:02:25 | 84.816% | 1.104    | 1.115   | 84.230%  | 0.029     | 0.036     | 0.115    | 0.080    |
| 3    | 17:03:06 | 84.806% | 0.915    | 0.938   | 84.030%  | 0.025     | 0.060     | 0.221    | 0.024    |
| X    |          | 84.580% | 1.071    | 1.168   | 83.868%  | 0.049     | 0.051     | 0.204    | 0.071    |
| σ    |          | 0.401%  | 0.143    | 0.261   | 0.466%   | 0.038     | 0.013     | 0.082    | 0.043    |
| %RSD |          | 0.474   | 13.300   | 22.300  | 0.555    | 77.530    | 25.390    | 40.290   | 60.790   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb    | 135Ba     | 137Ba     | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:01:43 | 89.444% | 3.828    | 0.119   | 0.101    | 35.640    | 34.740    | 93.385%  | 94.523%  |
| 2    | 17:02:25 | 90.105% | 4.024    | 0.094   | 0.118    | 35.020    | 34.100    | 94.320%  | 96.013%  |
| 3    | 17:03:06 | 89.535% | 3.858    | 0.142   | 0.094    | 36.250    | 35.930    | 94.484%  | 96.018%  |
| X    |          | 89.695% | 3.903    | 0.119   | 0.104    | 35.640    | 34.930    | 94.063%  | 95.518%  |
| σ    |          | 0.358%  | 0.106    | 0.024   | 0.012    | 0.615     | 0.926     | 0.593%   | 0.862%   |
| %RSD |          | 0.399   | 2.713    | 20.120  | 11.620   | 1.725     | 2.653     | 0.630    | 0.902    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb    | 208Pb     | 209Bi     |          |          |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       |          |          |
| 1    | 17:01:43 | 0.183   | 0.160    | 8.535   | 8.144    | 8.240     | 95.499%   |          |          |
| 2    | 17:02:25 | 0.209   | 0.162    | 8.533   | 8.408    | 8.393     | 96.636%   |          |          |
| 3    | 17:03:06 | 0.159   | 0.187    | 8.470   | 8.354    | 8.414     | 96.633%   |          |          |
| X    |          | 0.183   | 0.170    | 8.513   | 8.302    | 8.349     | 96.256%   |          |          |
| σ    |          | 0.025   | 0.015    | 0.037   | 0.140    | 0.095     | 0.655%    |          |          |
| %RSD |          | 13.410  | 8.959    | 0.433   | 1.684    | 1.140     | 0.681     |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B       | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|----------|----------|-----------|------------|------------|-----------|-----------|
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 17:05:58 | 84.026% | 0.006    | 2076.000 | 1989.000  | 0.000      | 53600.000  | 99270.000 | 98850.000 |
| 2    | 17:06:40 | 83.329% | -0.031   | 2120.000 | 2007.000  | 0.000      | 50780.000  | 93370.000 | 92930.000 |
| 3    | 17:07:21 | 84.041% | 0.006    | 2177.000 | 2040.000  | 0.000      | 53660.000  | 99540.000 | 99610.000 |
| X    |          | 83.799% | -0.006   | 2124.000 | 2012.000  | 0.000      | 52680.000  | 97400.000 | 97130.000 |
| σ    |          | 0.407%  | 0.021    | 50.510   | 25.860    | 0.000      | 1643.000   | 3489.000  | 3657.000  |
| %RSD |          | 0.485   | 329.500  | 2.378    | 1.285     | 0.000      | 3.119      | 3.582     | 3.765     |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K       | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 17:05:58 | 61.110  | 3948.000 | 0.000    | 12180.000 | 278000.000 | 321700.000 | 78.040%   | 3.972     |
| 2    | 17:06:40 | 58.810  | 3739.000 | 0.000    | 10940.000 | 246700.000 | 283400.000 | 88.584%   | 2.800     |
| 3    | 17:07:21 | 62.860  | 4034.000 | 0.000    | 12190.000 | 282800.000 | 322600.000 | 77.376%   | 4.405     |
| X    |          | 60.920  | 3907.000 | 0.000    | 11770.000 | 269200.000 | 309200.000 | 81.333%   | 3.726     |
| σ    |          | 2.031   | 151.500  | 0.000    | 719.600   | 19620.000  | 22330.000  | 6.288%    | 0.830     |
| %RSD |          | 3.334   | 3.877    | 0.000    | 6.114     | 7.287      | 7.222      | 7.731     | 22.290    |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe      | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 17:05:58 | 0.920   | 0.651    | 38.890   | 185.600   | 598.300    | 0.537      | 3.429     | 1.392     |
| 2    | 17:06:40 | 1.014   | 0.697    | 35.730   | 162.600   | 514.000    | 0.492      | 2.872     | 1.304     |
| 3    | 17:07:21 | 2.016   | 0.701    | 38.930   | 182.100   | 577.000    | 0.597      | 3.545     | 1.340     |
| X    |          | 1.317   | 0.683    | 37.850   | 176.800   | 563.100    | 0.542      | 3.282     | 1.345     |
| σ    |          | 0.607   | 0.028    | 1.840    | 12.390    | 43.840     | 0.053      | 0.360     | 0.044     |
| %RSD |          | 46.110  | 4.056    | 4.861    | 7.009     | 7.786      | 9.785      | 10.960    | 3.303     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As      | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 17:05:58 | 2.389   | 23.170   | 24.780   | 2.256     | 11.190     | 11.550     | 0.000     | 498.600   |
| 2    | 17:06:40 | 1.948   | 22.100   | 22.000   | 0.779     | 7.769      | 10.490     | 0.000     | 495.400   |
| 3    | 17:07:21 | 2.079   | 24.650   | 22.870   | 1.024     | 11.720     | 13.940     | 0.000     | 502.000   |
| X    |          | 2.139   | 23.310   | 23.220   | 1.353     | 10.220     | 11.990     | 0.000     | 498.600   |
| σ    |          | 0.227   | 1.283    | 1.419    | 0.791     | 2.143      | 1.767      | 0.000     | 3.306     |
| %RSD |          | 10.600  | 5.506    | 6.111    | 58.490    | 20.960     | 14.730     | 0.000     | 0.663     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh     | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 17:05:58 | 78.132% | 5.718    | 5.307    | 74.385%   | 0.009      | 0.009      | 0.032     | -0.131    |
| 2    | 17:06:40 | 79.519% | 5.536    | 5.739    | 75.521%   | 0.003      | 0.025      | 0.196     | 0.123     |
| 3    | 17:07:21 | 79.007% | 5.605    | 5.690    | 75.746%   | 0.003      | -0.002     | 0.123     | 0.080     |
| X    |          | 78.886% | 5.620    | 5.579    | 75.217%   | 0.005      | 0.011      | 0.117     | 0.024     |
| σ    |          | 0.701%  | 0.092    | 0.237    | 0.730%    | 0.003      | 0.013      | 0.082     | 0.136     |
| %RSD |          | 0.889   | 1.633    | 4.239    | 0.970     | 58.360     | 124.600    | 70.340    | 563.500   |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb     | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 17:05:58 | 81.776% | 6.935    | 0.260    | 0.178     | 27.550     | 28.340     | 88.372%   | 88.640%   |
| 2    | 17:06:40 | 82.441% | 5.935    | 0.232    | 0.189     | 28.370     | 28.110     | 89.528%   | 90.592%   |
| 3    | 17:07:21 | 83.670% | 5.681    | 0.213    | 0.277     | 27.510     | 27.670     | 90.375%   | 91.571%   |
| X    |          | 82.629% | 6.184    | 0.235    | 0.215     | 27.810     | 28.040     | 89.425%   | 90.268%   |
| σ    |          | 0.960%  | 0.663    | 0.023    | 0.054     | 0.489      | 0.338      | 1.005%    | 1.492%    |
| %RSD |          | 1.162   | 10.720   | 9.963    | 25.070    | 1.758      | 1.206      | 1.124     | 1.653     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb     | 208Pb      | 209Bi      |           |           |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        |           |           |
| 1    | 17:05:58 | 0.135   | 0.157    | 0.379    | 0.468     | 0.433      | 84.021%    |           |           |
| 2    | 17:06:40 | 0.122   | 0.154    | 0.458    | 0.375     | 0.422      | 84.591%    |           |           |
| 3    | 17:07:21 | 0.114   | 0.121    | 0.394    | 0.457     | 0.431      | 85.964%    |           |           |
| X    |          | 0.123   | 0.144    | 0.410    | 0.433     | 0.429      | 84.859%    |           |           |
| σ    |          | 0.011   | 0.020    | 0.042    | 0.051     | 0.006      | 0.999%     |           |           |
| %RSD |          | 8.607   | 13.890   | 10.270   | 11.770    | 1.312      | 1.177      |           |           |

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12/29/2012 5:23:05 PM

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B     | 13C       | 23Na      | 25Mg     | 26Mg     |
|------|----------|---------|----------|---------|---------|-----------|-----------|----------|----------|
|      |          | ppb     | ppb      | ppb     | ppb     | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:23:47 | 83.667% | 0.265    | 14.470  | 13.490  | 0.000     | 2293.000  | 3626.000 | 3612.000 |
| 2    | 17:24:29 | 84.693% | 0.006    | 14.150  | 14.670  | 0.000     | 2282.000  | 3644.000 | 3630.000 |
| 3    | 17:25:11 | 83.027% | 0.081    | 14.420  | 14.050  | 0.000     | 2315.000  | 3611.000 | 3662.000 |
| X    |          | 83.796% | 0.118    | 14.350  | 14.070  | 0.000     | 2297.000  | 3627.000 | 3635.000 |
| σ    |          | 0.841%  | 0.134    | 0.170   | 0.587   | 0.000     | 16.800    | 16.210   | 25.630   |
| %RSD |          | 1.003   | 113.700  | 1.183   | 4.172   | 0.000     | 0.732     | 0.447    | 0.705    |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K     | 43Ca      | 44Ca      | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb     | ppb     | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:23:47 | 484.800 | 4727.000 | 0.000   | 988.400 | 19370.000 | 19070.000 | 67.378%  | 2.528    |
| 2    | 17:24:29 | 486.600 | 4754.000 | 0.000   | 992.700 | 19180.000 | 19100.000 | 67.969%  | 1.742    |
| 3    | 17:25:11 | 492.700 | 4781.000 | 0.000   | 990.200 | 19250.000 | 19100.000 | 67.901%  | 2.431    |
| X    |          | 488.000 | 4754.000 | 0.000   | 990.400 | 19260.000 | 19090.000 | 67.749%  | 2.234    |
| σ    |          | 4.130   | 26.820   | 0.000   | 2.138   | 96.230    | 19.150    | 0.323%   | 0.428    |
| %RSD |          | 0.846   | 0.564    | 0.000   | 0.216   | 0.500     | 0.100     | 0.477    | 19.170   |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe    | 57Fe      | 59Co      | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb     | ppb     | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:23:47 | -0.406  | 0.474    | 538.000 | 262.200 | 339.300   | 5.173     | 12.280   | 9.363    |
| 2    | 17:24:29 | -0.620  | 0.597    | 545.200 | 265.000 | 346.700   | 5.260     | 12.720   | 9.530    |
| 3    | 17:25:11 | 0.284   | 0.559    | 542.100 | 264.400 | 361.700   | 5.395     | 13.270   | 9.411    |
| X    |          | -0.247  | 0.543    | 541.800 | 263.900 | 349.200   | 5.276     | 12.760   | 9.435    |
| σ    |          | 0.472   | 0.063    | 3.609   | 1.463   | 11.410    | 0.112     | 0.496    | 0.086    |
| %RSD |          | 190.900 | 11.530   | 0.666   | 0.554   | 3.268     | 2.114     | 3.890    | 0.913    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As    | 78Se      | 82Se      | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb     | ppb     | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:23:47 | 9.816   | 37.040   | 38.320  | 0.674   | -1.037    | 0.041     | 0.000    | 45.290   |
| 2    | 17:24:29 | 9.628   | 38.810   | 37.310  | 0.633   | -1.620    | 0.461     | 0.000    | 47.010   |
| 3    | 17:25:11 | 8.584   | 40.680   | 38.340  | -0.484  | -0.650    | 0.516     | 0.000    | 47.040   |
| X    |          | 9.343   | 38.840   | 37.990  | 0.275   | -1.102    | 0.339     | 0.000    | 46.450   |
| σ    |          | 0.664   | 1.821    | 0.590   | 0.657   | 0.488     | 0.260     | 0.000    | 1.005    |
| %RSD |          | 7.104   | 4.688    | 1.552   | 239.400 | 44.290    | 76.590    | 0.000    | 2.163    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh   | 107Ag     | 109Ag     | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb     | ppb     | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:23:47 | 70.836% | 0.223    | 0.450   | 72.316% | 0.004     | 0.010     | 0.279    | 0.326    |
| 2    | 17:24:29 | 71.476% | 0.379    | 0.258   | 73.715% | 0.019     | -0.001    | 0.432    | 0.249    |
| 3    | 17:25:11 | 71.566% | 0.424    | 0.296   | 73.416% | 0.009     | 0.015     | 0.118    | 0.169    |
| X    |          | 71.293% | 0.342    | 0.335   | 73.149% | 0.011     | 0.008     | 0.276    | 0.248    |
| σ    |          | 0.398%  | 0.106    | 0.102   | 0.737%  | 0.008     | 0.009     | 0.157    | 0.079    |
| %RSD |          | 0.558   | 30.850   | 30.390  | 1.007   | 71.880    | 106.500   | 56.840   | 31.690   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb   | 135Ba     | 137Ba     | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb     | ppb     | ppb       | ppb       | ppb      | ppb      |
| 1    | 17:23:47 | 73.372% | 6.906    | 0.029   | -0.004  | 155.400   | 150.500   | 82.679%  | 84.158%  |
| 2    | 17:24:29 | 75.073% | 6.340    | 0.028   | 0.024   | 155.100   | 151.900   | 84.302%  | 85.286%  |
| 3    | 17:25:11 | 75.561% | 5.878    | 0.033   | 0.017   | 147.300   | 151.900   | 84.701%  | 86.101%  |
| X    |          | 74.669% | 6.375    | 0.030   | 0.013   | 152.600   | 151.400   | 83.894%  | 85.181%  |
| σ    |          | 1.149%  | 0.515    | 0.003   | 0.014   | 4.619     | 0.815     | 1.071%   | 0.976%   |
| %RSD |          | 1.539   | 8.082    | 9.256   | 114.700 | 3.027     | 0.538     | 1.276    | 1.145    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb   | 208Pb     | 209Bi     |          |          |
|      |          | ppb     | ppb      | ppb     | ppb     | ppb       | ppb       |          |          |
| 1    | 17:23:47 | 0.090   | 0.082    | 0.259   | 0.312   | 0.283     | 82.124%   |          |          |
| 2    | 17:24:29 | 0.085   | 0.070    | 0.271   | 0.296   | 0.273     | 81.761%   |          |          |
| 3    | 17:25:11 | 0.046   | 0.069    | 0.272   | 0.271   | 0.289     | 80.517%   |          |          |
| X    |          | 0.074   | 0.074    | 0.267   | 0.293   | 0.282     | 81.467%   |          |          |
| σ    |          | 0.024   | 0.007    | 0.007   | 0.021   | 0.008     | 0.843%    |          |          |
| %RSD |          | 32.880  | 10.020   | 2.650   | 7.079   | 2.828     | 1.035     |          |          |



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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B      | 13C      | 23Na     | 25Mg     | 26Mg     |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 17:31:36 | 75.068%  | 0.748    | 4.187    | 6.857    | 0.000    | 60.340   | 80.980   | 80.520   |
| 2    | 17:32:18 | 76.333%  | 0.938    | 6.605    | 6.543    | 0.000    | 58.580   | 76.700   | 83.230   |
| 3    | 17:33:00 | 76.124%  | 0.738    | 6.764    | 6.322    | 0.000    | 60.200   | 81.480   | 82.430   |
| X    |          | 75.842%  | 80.816%  | 117.039% | 131.475% | 0.000    | 74.633%  | 79.718%  | 82.060%  |
| σ    |          | 0.678%   | n/a      | n/a      | n/a      | 0.000    | n/a      | n/a      | n/a      |
| %RSD |          | 0.894    | 13.960   | 24.680   | 4.089    | 0.000    | 1.642    | 3.297    | 1.702    |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K      | 43Ca     | 44Ca     | 45Sc     | 47Ti     |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 17:31:36 | 27.650   | 478.600  | 0.000    | 88.400   | 128.400  | 106.800  | 64.601%  | 4.809    |
| 2    | 17:32:18 | 25.760   | 484.000  | 0.000    | 86.770   | 107.500  | 102.500  | 64.648%  | 4.323    |
| 3    | 17:33:00 | 27.270   | 485.700  | 0.000    | 86.750   | 154.900  | 105.600  | 65.080%  | 5.169    |
| X    |          | 89.650%  | 96.552%  | 0.000    | 87.306%  | 130.269% | 104.982% | 64.776%  | 95.339%  |
| σ    |          | n/a      | n/a      | 0.000    | n/a      | n/a      | n/a      | 0.264%   | n/a      |
| %RSD |          | 3.725    | 0.762    | 0.000    | 1.086    | 18.210   | 2.101    | 0.407    | 8.897    |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe     | 57Fe     | 59Co     | 60Ni     | 63Cu     |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 17:31:36 | 0.622    | 1.845    | 5.284    | 44.650   | 59.270   | 0.578    | 1.106    | 2.255    |
| 2    | 17:32:18 | 0.759    | 1.964    | 5.001    | 45.390   | 56.630   | 0.447    | 1.236    | 1.919    |
| 3    | 17:33:00 | 0.885    | 1.982    | 5.328    | 44.360   | 50.520   | 0.478    | 0.989    | 2.236    |
| X    |          | 75.541%  | 96.527%  | 104.090% | 89.602%  | 110.944% | 100.206% | 111.024% | 106.842% |
| σ    |          | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| %RSD |          | 17.420   | 3.849    | 3.408    | 1.185    | 8.091    | 13.680   | 11.120   | 8.831    |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As     | 78Se     | 82Se     | 83Kr     | 88Sr     |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 17:31:36 | 2.028    | 5.215    | 5.646    | 1.053    | 4.744    | 3.964    | 0.000    | 4.825    |
| 2    | 17:32:18 | 1.787    | 4.795    | 4.882    | 1.438    | 4.425    | 5.263    | 0.000    | 4.922    |
| 3    | 17:33:00 | 2.052    | 6.125    | 4.990    | 0.725    | 3.880    | 6.068    | 0.000    | 4.871    |
| X    |          | 97.788%  | 107.562% | 103.457% | 107.182% | 86.998%  | 101.966% | 0.000    | 97.457%  |
| σ    |          | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | 0.000    | n/a      |
| %RSD |          | 7.485    | 12.640   | 7.998    | 33.300   | 10.050   | 20.830   | 0.000    | 0.995    |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh    | 107Ag    | 109Ag    | 111Cd    | 114Cd    |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 17:31:36 | 66.936%  | 4.959    | 4.390    | 69.839%  | 0.968    | 1.007    | 0.947    | 0.772    |
| 2    | 17:32:18 | 67.166%  | 4.803    | 4.986    | 71.022%  | 1.094    | 0.905    | 0.886    | 1.071    |
| 3    | 17:33:00 | 68.182%  | 4.708    | 4.520    | 71.134%  | 0.915    | 1.058    | 0.758    | 1.128    |
| X    |          | 67.428%  | 96.472%  | 92.636%  | 70.665%  | 99.227%  | 99.007%  | 86.361%  | 99.067%  |
| σ    |          | 0.663%   | n/a      | n/a      | 0.718%   | n/a      | n/a      | n/a      | n/a      |
| %RSD |          | 0.984    | 2.628    | 6.766    | 1.015    | 9.281    | 7.844    | 11.160   | 19.300   |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb    | 135Ba    | 137Ba    | 159Tb    | 165Ho    |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |
| 1    | 17:31:36 | 70.137%  | 7.270    | 1.959    | 1.919    | 10.930   | 9.690    | 77.676%  | 78.869%  |
| 2    | 17:32:18 | 70.901%  | 7.277    | 1.984    | 2.079    | 10.150   | 9.455    | 78.648%  | 79.352%  |
| 3    | 17:33:00 | 70.725%  | 7.498    | 2.002    | 1.987    | 9.950    | 10.350   | 78.215%  | 79.615%  |
| X    |          | 70.587%  | 146.966% | 99.087%  | 99.751%  | 103.435% | 98.322%  | 78.180%  | 79.279%  |
| σ    |          | 0.400%   | n/a      | n/a      | n/a      | n/a      | n/a      | 0.487%   | 0.379%   |
| %RSD |          | 0.567    | 1.762    | 1.093    | 4.029    | 5.013    | 4.730    | 0.623    | 0.478    |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb    | 208Pb    | 209Bi    |          |          |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb      | ppb      |          |          |
| 1    | 17:31:36 | 1.147    | 1.105    | 1.134    | 1.058    | 1.084    | 73.258%  |          |          |
| 2    | 17:32:18 | 1.034    | 1.089    | 1.116    | 1.152    | 1.077    | 73.856%  |          |          |
| 3    | 17:33:00 | 1.228    | 1.113    | 0.991    | 0.996    | 1.057    | 74.285%  |          |          |
| X    |          | 113.591% | 110.231% | 108.044% | 106.860% | 107.268% | 73.800%  |          |          |
| σ    |          | n/a      | n/a      | n/a      | n/a      | n/a      | 0.516%   |          |          |
| %RSD |          | 8.585    | 1.095    | 7.189    | 7.320    | 1.280    | 0.699    |          |          |

CCV 664806 12/29/2012 5:35:11 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:35:53 | 72.844%  | 108.700  | 114.900  | 103.800   | 0.000     | 51350.000 | 44720.000 | 45070.000 |
| 2    | 17:36:34 | 74.030%  | 104.800  | 103.200  | 103.600   | 0.000     | 50950.000 | 45320.000 | 45520.000 |
| 3    | 17:37:16 | 75.622%  | 106.700  | 107.100  | 105.900   | 0.000     | 50970.000 | 45460.000 | 45730.000 |
| X    |          | 74.165%  | 106.744% | 108.413% | 104.432%  | 0.000     | 102.178%  | 90.335%   | 90.879%   |
| σ    |          | 1.394%   | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 1.880    | 1.851    | 5.510    | 1.218     | 0.000     | 0.447     | 0.866     | 0.748     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:35:53 | 503.300  | 5138.000 | 0.000    | 52290.000 | 53100.000 | 51580.000 | 70.174%   | 107.300   |
| 2    | 17:36:34 | 502.600  | 5157.000 | 0.000    | 51580.000 | 52120.000 | 51750.000 | 71.529%   | 102.800   |
| 3    | 17:37:16 | 509.100  | 5155.000 | 0.000    | 51720.000 | 53060.000 | 52610.000 | 72.216%   | 108.900   |
| X    |          | 100.999% | 103.000% | 0.000    | 103.719%  | 105.523%  | 103.955%  | 71.306%   | 106.322%  |
| σ    |          | n/a      | n/a      | 0.000    | n/a       | n/a       | n/a       | 1.039%    | n/a       |
| %RSD |          | 0.712    | 0.198    | 0.000    | 0.725     | 1.051     | 1.062     | 1.457     | 2.989     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:35:53 | 102.000  | 103.700  | 512.000  | 26170.000 | 25630.000 | 103.200   | 103.400   | 102.700   |
| 2    | 17:36:34 | 104.400  | 104.400  | 518.900  | 25740.000 | 26030.000 | 101.800   | 103.900   | 103.100   |
| 3    | 17:37:16 | 104.000  | 104.700  | 525.600  | 25840.000 | 26180.000 | 103.300   | 106.700   | 102.700   |
| X    |          | 103.497% | 104.295% | 103.768% | 103.669%  | 103.784%  | 102.809%  | 104.632%  | 102.803%  |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 1.233    | 0.503    | 1.317    | 0.872     | 1.080     | 0.818     | 1.700     | 0.216     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:35:53 | 98.850   | 105.200  | 105.700  | 100.600   | 99.860    | 101.100   | 0.000     | 99.250    |
| 2    | 17:36:34 | 103.800  | 106.600  | 103.800  | 100.600   | 100.500   | 101.400   | 0.000     | 100.400   |
| 3    | 17:37:16 | 99.860   | 103.600  | 107.900  | 98.920    | 96.530    | 101.400   | 0.000     | 99.870    |
| X    |          | 100.833% | 105.101% | 105.788% | 100.057%  | 98.965%   | 101.300%  | 0.000     | 99.848%   |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 2.582    | 1.432    | 1.968    | 0.985     | 2.159     | 0.151     | 0.000     | 0.592     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:35:53 | 76.276%  | 99.560   | 100.500  | 74.123%   | 99.860    | 99.720    | 101.500   | 99.830    |
| 2    | 17:36:34 | 78.224%  | 103.200  | 101.600  | 76.682%   | 100.400   | 98.260    | 97.640    | 99.420    |
| 3    | 17:37:16 | 80.003%  | 103.300  | 104.200  | 78.750%   | 98.780    | 98.800    | 100.600   | 98.840    |
| X    |          | 78.168%  | 102.009% | 102.073% | 76.518%   | 99.694%   | 98.925%   | 99.888%   | 99.361%   |
| σ    |          | 1.864%   | n/a      | n/a      | 2.318%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 2.385    | 2.078    | 1.855    | 3.029     | 0.848     | 0.744     | 1.997     | 0.498     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:35:53 | 77.626%  | 101.200  | 100.000  | 102.700   | 95.930    | 96.480    | 83.675%   | 84.793%   |
| 2    | 17:36:34 | 82.162%  | 98.680   | 100.300  | 99.970    | 96.460    | 96.180    | 87.465%   | 88.484%   |
| 3    | 17:37:16 | 83.320%  | 100.600  | 101.400  | 101.700   | 99.760    | 98.690    | 89.180%   | 91.039%   |
| X    |          | 81.036%  | 100.148% | 100.564% | 101.480%  | 97.386%   | 97.116%   | 86.774%   | 88.105%   |
| σ    |          | 3.010%   | n/a      | n/a      | n/a       | n/a       | n/a       | 2.817%    | 3.140%    |
| %RSD |          | 3.714    | 1.309    | 0.764    | 1.379     | 2.129     | 1.416     | 3.246     | 3.564     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 17:35:53 | 98.600   | 98.620   | 100.000  | 98.990    | 100.100   | 84.294%   |           |           |
| 2    | 17:36:34 | 100.800  | 100.100  | 101.400  | 101.200   | 101.300   | 87.838%   |           |           |
| 3    | 17:37:16 | 101.400  | 100.500  | 101.400  | 101.300   | 101.500   | 89.336%   |           |           |
| X    |          | 100.272% | 99.760%  | 100.944% | 100.509%  | 100.971%  | 87.156%   |           |           |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | 2.589%    |           |           |
| %RSD |          | 1.472    | 1.009    | 0.780    | 1.313     | 0.730     | 2.971     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B    | 11B     | 13C     | 23Na    | 25Mg    | 26Mg      |
|------|----------|---------|----------|--------|---------|---------|---------|---------|-----------|
|      |          | ppb     | ppb      | ppb    | ppb     | ppb     | ppb     | ppb     | ppb       |
| 1    | 17:43:01 | 80.154% | -0.031   | 1.034  | 0.832   | 0.000   | -22.560 | 3.753   | 4.441     |
| 2    | 17:43:43 | 82.577% | -0.031   | 2.182  | 1.233   | 0.000   | -21.150 | 4.989   | 4.871     |
| 3    | 17:44:24 | 80.450% | -0.031   | 0.616  | 1.335   | 0.000   | -14.730 | 7.094   | 8.129     |
| X    |          | 81.060% | -0.031   | 1.277  | 1.133   | 0.000   | -19.480 | 5.279   | 5.814     |
| σ    |          | 1.322%  | 0.000    | 0.811  | 0.266   | 0.000   | 4.172   | 1.689   | 2.016     |
| %RSD |          | 1.630   | 0.000    | 63.500 | 23.450  | 0.000   | 21.420  | 32.000  | 34.680    |
| Run  | Time     | 27Al    | 28Si     | 37Cl   | 39K     | 43Ca    | 44Ca    | 45Sc    | 47Ti      |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb     | ppb     | ppb     | ppb       |
| 1    | 17:43:01 | -4.162  | 3.944    | 0.000  | 6.817   | 25.390  | 2.377   | 79.295% | 0.044     |
| 2    | 17:43:43 | -3.951  | 3.140    | 0.000  | 8.336   | 8.310   | 10.790  | 79.698% | -0.022    |
| 3    | 17:44:24 | -3.670  | 4.298    | 0.000  | 10.870  | 42.050  | 14.800  | 79.946% | -0.022    |
| X    |          | -3.928  | 3.794    | 0.000  | 8.675   | 25.250  | 9.322   | 79.647% | -0.000    |
| σ    |          | 0.247   | 0.594    | 0.000  | 2.049   | 16.870  | 6.340   | 0.329%  | 0.038     |
| %RSD |          | 6.281   | 15.650   | 0.000  | 23.620  | 66.810  | 68.010  | 0.413   | 18690.000 |
| Run  | Time     | 51V     | 52Cr     | 55Mn   | 56Fe    | 57Fe    | 59Co    | 60Ni    | 63Cu      |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb     | ppb     | ppb     | ppb       |
| 1    | 17:43:01 | 0.036   | 0.006    | 0.032  | 14.670  | 18.010  | -0.012  | 0.058   | 0.042     |
| 2    | 17:43:43 | -0.029  | 0.016    | 0.027  | 9.817   | 14.000  | 0.000   | 0.100   | -0.027    |
| 3    | 17:44:24 | -0.020  | -0.026   | 0.064  | 8.752   | 11.040  | -0.008  | 0.013   | 0.067     |
| X    |          | -0.004  | -0.001   | 0.041  | 11.080  | 14.350  | -0.007  | 0.057   | 0.028     |
| σ    |          | 0.035   | 0.022    | 0.020  | 3.152   | 3.496   | 0.006   | 0.044   | 0.049     |
| %RSD |          | 883.700 | 2271.000 | 48.620 | 28.450  | 24.360  | 93.990  | 76.090  | 176.400   |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn   | 75As    | 78Se    | 82Se    | 83Kr    | 88Sr      |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb     | ppb     | ppb     | ppb       |
| 1    | 17:43:01 | 0.087   | 0.398    | 0.279  | -0.179  | -0.215  | -0.325  | 0.000   | 0.012     |
| 2    | 17:43:43 | -0.092  | 0.700    | 0.338  | -0.361  | -1.274  | -1.767  | 0.000   | 0.021     |
| 3    | 17:44:24 | 0.081   | 0.626    | 0.545  | 0.005   | 0.334   | 0.036   | 0.000   | 0.041     |
| X    |          | 0.025   | 0.575    | 0.388  | -0.179  | -0.385  | -0.686  | 0.000   | 0.025     |
| σ    |          | 0.102   | 0.158    | 0.140  | 0.183   | 0.818   | 0.954   | 0.000   | 0.015     |
| %RSD |          | 401.100 | 27.460   | 36.050 | 102.400 | 212.500 | 139.100 | 0.000   | 59.340    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo   | 103Rh   | 107Ag   | 109Ag   | 111Cd   | 114Cd     |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb     | ppb     | ppb     | ppb       |
| 1    | 17:43:01 | 77.311% | 0.333    | 0.298  | 81.743% | 0.021   | 0.013   | 0.078   | 0.046     |
| 2    | 17:43:43 | 79.061% | 0.173    | 0.253  | 83.604% | 0.016   | 0.037   | -0.001  | -0.107    |
| 3    | 17:44:24 | 78.970% | 0.134    | 0.142  | 83.243% | 0.012   | 0.018   | 0.143   | 0.080     |
| X    |          | 78.447% | 0.214    | 0.231  | 82.863% | 0.017   | 0.023   | 0.073   | 0.006     |
| σ    |          | 0.985%  | 0.106    | 0.080  | 0.987%  | 0.005   | 0.013   | 0.072   | 0.100     |
| %RSD |          | 1.256   | 49.430   | 34.810 | 1.191   | 29.150  | 56.880  | 98.080  | 1616.000  |
| Run  | Time     | 115In   | 118Sn    | 121Sb  | 123Sb   | 135Ba   | 137Ba   | 159Tb   | 165Ho     |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb     | ppb     | ppb     | ppb       |
| 1    | 17:43:01 | 84.823% | 0.591    | 0.032  | 0.019   | -0.092  | -0.020  | 87.038% | 88.147%   |
| 2    | 17:43:43 | 85.896% | 0.838    | 0.036  | 0.024   | -0.117  | -0.050  | 88.367% | 89.493%   |
| 3    | 17:44:24 | 86.255% | 0.217    | 0.046  | -0.001  | -0.016  | -0.035  | 88.405% | 90.358%   |
| X    |          | 85.658% | 0.549    | 0.038  | 0.014   | -0.075  | -0.035  | 87.936% | 89.332%   |
| σ    |          | 0.745%  | 0.313    | 0.007  | 0.013   | 0.053   | 0.015   | 0.778%  | 1.114%    |
| %RSD |          | 0.870   | 56.940   | 18.490 | 96.040  | 70.300  | 43.330  | 0.885   | 1.247     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb  | 207Pb   | 208Pb   | 209Bi   |         |           |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb     | ppb     |         |           |
| 1    | 17:43:01 | 0.053   | 0.037    | 0.017  | 0.013   | 0.025   | 90.615% |         |           |
| 2    | 17:43:43 | 0.038   | 0.054    | 0.014  | 0.028   | 0.023   | 91.831% |         |           |
| 3    | 17:44:24 | 0.041   | 0.049    | 0.023  | 0.001   | 0.022   | 92.347% |         |           |
| X    |          | 0.044   | 0.047    | 0.018  | 0.014   | 0.023   | 91.598% |         |           |
| σ    |          | 0.008   | 0.009    | 0.005  | 0.013   | 0.001   | 0.889%  |         |           |
| %RSD |          | 17.920  | 18.640   | 26.960 | 95.580  | 5.405   | 0.971   |         |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B     | 11B     | 13C    | 23Na    | 25Mg    | 26Mg     |
|------|----------|---------|---------|---------|---------|--------|---------|---------|----------|
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 17:47:19 | 84.245% | -0.031  | 1.476   | 1.410   | 0.000  | -4.745  | 0.147   | 0.581    |
| 2    | 17:48:00 | 86.099% | -0.031  | 0.394   | 1.137   | 0.000  | -2.510  | -0.915  | -0.066   |
| 3    | 17:48:42 | 87.196% | -0.031  | 0.761   | 1.189   | 0.000  | -4.835  | -0.382  | -0.419   |
| X    |          | 85.847% | -0.031  | 0.877   | 1.246   | 0.000  | -4.030  | -0.383  | 0.032    |
| σ    |          | 1.492%  | 0.000   | 0.550   | 0.145   | 0.000  | 1.317   | 0.531   | 0.507    |
| %RSD |          | 1.738   | 0.000   | 62.740  | 11.640  | 0.000  | 32.680  | 138.600 | 1585.000 |
| Run  | Time     | 27Al    | 28Si    | 37Cl    | 39K     | 43Ca   | 44Ca    | 45Sc    | 47Ti     |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 17:47:19 | -3.998  | 4.764   | 0.000   | 15.040  | 20.120 | 3.329   | 77.664% | 0.113    |
| 2    | 17:48:00 | -4.266  | 4.323   | 0.000   | 13.710  | 25.740 | 5.337   | 78.014% | 0.112    |
| 3    | 17:48:42 | -4.097  | 5.646   | 0.000   | 14.040  | 31.400 | 8.069   | 78.151% | -0.021   |
| X    |          | -4.120  | 4.911   | 0.000   | 14.260  | 25.750 | 5.578   | 77.943% | 0.068    |
| σ    |          | 0.135   | 0.674   | 0.000   | 0.695   | 5.640  | 2.379   | 0.251%  | 0.077    |
| %RSD |          | 3.284   | 13.720  | 0.000   | 4.870   | 21.900 | 42.650  | 0.322   | 113.300  |
| Run  | Time     | 51V     | 52Cr    | 55Mn    | 56Fe    | 57Fe   | 59Co    | 60Ni    | 63Cu     |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 17:47:19 | -0.781  | 0.066   | 0.014   | 4.422   | 8.685  | -0.020  | 0.103   | 0.106    |
| 2    | 17:48:00 | -0.665  | 0.108   | -0.011  | 2.579   | 5.890  | -0.024  | 0.014   | 0.249    |
| 3    | 17:48:42 | -0.855  | 0.132   | -0.011  | 2.067   | 6.020  | -0.033  | 0.123   | 0.027    |
| X    |          | -0.767  | 0.102   | -0.003  | 3.023   | 6.865  | -0.026  | 0.080   | 0.128    |
| σ    |          | 0.095   | 0.033   | 0.015   | 1.239   | 1.578  | 0.006   | 0.058   | 0.112    |
| %RSD |          | 12.430  | 32.550  | 502.800 | 40.970  | 22.980 | 24.760  | 72.570  | 88.200   |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn    | 75As    | 78Se   | 82Se    | 83Kr    | 88Sr     |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 17:47:19 | -0.024  | 1.129   | 1.292   | 0.147   | -0.522 | 0.568   | 0.000   | 0.043    |
| 2    | 17:48:00 | -0.092  | 0.773   | 0.856   | 0.638   | -0.941 | -0.290  | 0.000   | -0.007   |
| 3    | 17:48:42 | -0.027  | 1.063   | 1.306   | -0.303  | -0.694 | -1.280  | 0.000   | -0.005   |
| X    |          | -0.047  | 0.989   | 1.151   | 0.161   | -0.719 | -0.334  | 0.000   | 0.010    |
| σ    |          | 0.039   | 0.189   | 0.256   | 0.471   | 0.211  | 0.925   | 0.000   | 0.028    |
| %RSD |          | 81.330  | 19.160  | 22.210  | 293.100 | 29.280 | 276.700 | 0.000   | 275.100  |
| Run  | Time     | 89Y     | 95Mo    | 98Mo    | 103Rh   | 107Ag  | 109Ag   | 111Cd   | 114Cd    |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 17:47:19 | 79.455% | 0.018   | -0.005  | 80.532% | 0.008  | -0.002  | -0.014  | -0.113   |
| 2    | 17:48:00 | 80.896% | -0.106  | -0.034  | 81.389% | 0.017  | -0.007  | 0.023   | -0.054   |
| 3    | 17:48:42 | 80.769% | 0.053   | 0.014   | 81.657% | 0.003  | 0.003   | 0.108   | 0.047    |
| X    |          | 80.373% | -0.012  | -0.008  | 81.193% | 0.009  | -0.002  | 0.039   | -0.040   |
| σ    |          | 0.798%  | 0.083   | 0.024   | 0.588%  | 0.007  | 0.005   | 0.062   | 0.081    |
| %RSD |          | 0.993   | 707.900 | 293.600 | 0.724   | 78.420 | 251.400 | 159.900 | 201.700  |
| Run  | Time     | 115In   | 118Sn   | 121Sb   | 123Sb   | 135Ba  | 137Ba   | 159Tb   | 165Ho    |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 17:47:19 | 83.733% | 4.080   | 0.003   | -0.007  | -0.117 | -0.035  | 86.909% | 88.429%  |
| 2    | 17:48:00 | 84.717% | 2.662   | -0.003  | -0.014  | -0.066 | -0.035  | 89.556% | 90.427%  |
| 3    | 17:48:42 | 86.100% | 3.328   | 0.007   | -0.020  | -0.117 | -0.065  | 90.084% | 91.443%  |
| X    |          | 84.850% | 3.357   | 0.002   | -0.013  | -0.100 | -0.045  | 88.850% | 90.100%  |
| σ    |          | 1.189%  | 0.709   | 0.005   | 0.007   | 0.029  | 0.017   | 1.701%  | 1.533%   |
| %RSD |          | 1.402   | 21.130  | 211.400 | 49.510  | 29.280 | 38.650  | 1.915   | 1.702    |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb   | 207Pb   | 208Pb  | 209Bi   |         |          |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     |         |          |
| 1    | 17:47:19 | 0.034   | 0.031   | 0.013   | 0.012   | 0.014  | 94.012% |         |          |
| 2    | 17:48:00 | 0.034   | 0.031   | 0.013   | 0.004   | 0.008  | 93.645% |         |          |
| 3    | 17:48:42 | 0.021   | 0.045   | -0.000  | -0.007  | 0.008  | 92.860% |         |          |
| X    |          | 0.030   | 0.036   | 0.008   | 0.003   | 0.010  | 93.505% |         |          |
| σ    |          | 0.008   | 0.008   | 0.007   | 0.009   | 0.004  | 0.589%  |         |          |
| %RSD |          | 25.220  | 21.940  | 87.410  | 287.100 | 36.240 | 0.630   |         |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:51:33 | 103.977% | 51.310   | 1060.000 | 1022.000  | 0.000     | 48270.000 | 42920.000 | 43160.000 |
| 2    | 17:52:15 | 107.535% | 51.100   | 1069.000 | 1023.000  | 0.000     | 47860.000 | 43230.000 | 47840.000 |
| 3    | 17:52:57 | 109.998% | 55.340   | 1069.000 | 1027.000  | 0.000     | 47470.000 | 43250.000 | 43550.000 |
| X    |          | 107.170% | 52.580   | 1066.000 | 1024.000  | 0.000     | 47870.000 | 43130.000 | 44850.000 |
| σ    |          | 3.027%   | 2.388    | 4.779    | 2.662     | 0.000     | 404.500   | 185.400   | 2595.000  |
| %RSD |          | 2.825    | 4.541    | 0.448    | 0.260     | 0.000     | 0.845     | 0.430     | 5.786     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:51:33 | 1850.000 | 9373.000 | 0.000    | 48640.000 | 49180.000 | 49420.000 | 84.266%   | 997.200   |
| 2    | 17:52:15 | 1865.000 | 9468.000 | 0.000    | 48290.000 | 50570.000 | 49700.000 | 86.272%   | 999.000   |
| 3    | 17:52:57 | 1856.000 | 9472.000 | 0.000    | 47940.000 | 49710.000 | 50080.000 | 87.273%   | 1008.000  |
| X    |          | 1857.000 | 9437.000 | 0.000    | 48290.000 | 49820.000 | 49740.000 | 85.937%   | 1001.000  |
| σ    |          | 7.470    | 56.140   | 0.000    | 349.000   | 701.800   | 334.700   | 1.532%    | 5.746     |
| %RSD |          | 0.402    | 0.595    | 0.000    | 0.723     | 1.409     | 0.673     | 1.782     | 0.574     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:51:33 | 481.900  | 201.200  | 500.800  | 825.900   | 1087.000  | 493.300   | 490.100   | 238.900   |
| 2    | 17:52:15 | 487.000  | 203.800  | 506.900  | 835.800   | 1099.000  | 499.800   | 494.600   | 240.700   |
| 3    | 17:52:57 | 492.000  | 204.000  | 509.700  | 840.500   | 1090.000  | 501.000   | 494.800   | 242.700   |
| X    |          | 487.000  | 203.000  | 505.800  | 834.000   | 1092.000  | 498.000   | 493.200   | 240.800   |
| σ    |          | 5.068    | 1.592    | 4.577    | 7.475     | 6.375     | 4.106     | 2.627     | 1.889     |
| %RSD |          | 1.041    | 0.784    | 0.905    | 0.896     | 0.584     | 0.825     | 0.533     | 0.785     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:51:33 | 240.600  | 482.000  | 496.000  | 38.510    | 8.944     | 7.230     | 0.000     | 1034.000  |
| 2    | 17:52:15 | 241.000  | 493.200  | 497.300  | 35.560    | 7.752     | 7.705     | 0.000     | 1048.000  |
| 3    | 17:52:57 | 242.900  | 496.800  | 496.500  | 36.310    | 10.170    | 9.399     | 0.000     | 1058.000  |
| X    |          | 241.500  | 490.600  | 496.600  | 36.800    | 8.957     | 8.112     | 0.000     | 1047.000  |
| σ    |          | 1.227    | 7.726    | 0.627    | 1.531     | 1.211     | 1.140     | 0.000     | 12.350    |
| %RSD |          | 0.508    | 1.575    | 0.126    | 4.160     | 13.520    | 14.060    | 0.000     | 1.180     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:51:33 | 79.017%  | 1063.000 | 1060.000 | 82.046%   | 48.070    | 47.750    | 47.950    | 40.890    |
| 2    | 17:52:15 | 81.376%  | 1078.000 | 1074.000 | 84.455%   | 49.350    | 48.450    | 47.370    | 38.600    |
| 3    | 17:52:57 | 81.616%  | 1082.000 | 1077.000 | 86.419%   | 47.670    | 47.450    | 47.820    | 38.970    |
| X    |          | 80.670%  | 1074.000 | 1070.000 | 84.307%   | 48.360    | 47.880    | 47.710    | 39.480    |
| σ    |          | 1.436%   | 10.210   | 9.119    | 2.190%    | 0.880     | 0.509     | 0.305     | 1.227     |
| %RSD |          | 1.780    | 0.950    | 0.852    | 2.598     | 1.820     | 1.062     | 0.639     | 3.108     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:51:33 | 88.299%  | 2093.000 | 490.400  | 487.700   | 1890.000  | 1873.000  | 96.352%   | 97.739%   |
| 2    | 17:52:15 | 91.460%  | 2092.000 | 493.600  | 493.000   | 1908.000  | 1898.000  | 99.614%   | 101.079%  |
| 3    | 17:52:57 | 92.743%  | 2082.000 | 495.600  | 495.400   | 1920.000  | 1894.000  | 101.272%  | 102.501%  |
| X    |          | 90.834%  | 2089.000 | 493.200  | 492.000   | 1906.000  | 1889.000  | 99.080%   | 100.440%  |
| σ    |          | 2.287%   | 5.919    | 2.626    | 3.955     | 15.520    | 13.360    | 2.503%    | 2.444%    |
| %RSD |          | 2.518    | 0.283    | 0.532    | 0.804     | 0.814     | 0.707     | 2.527     | 2.434     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 17:51:33 | 49.680   | 47.680   | 20.360   | 20.230    | 20.380    | 92.643%   |           |           |
| 2    | 17:52:15 | 50.120   | 48.210   | 20.770   | 20.360    | 20.610    | 96.771%   |           |           |
| 3    | 17:52:57 | 49.570   | 49.440   | 20.980   | 20.660    | 20.640    | 97.884%   |           |           |
| X    |          | 49.790   | 48.450   | 20.700   | 20.420    | 20.540    | 95.766%   |           |           |
| σ    |          | 0.293    | 0.903    | 0.315    | 0.221     | 0.145     | 2.762%    |           |           |
| %RSD |          | 0.589    | 1.863    | 1.523    | 1.081     | 0.708     | 2.884     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:55:47 | 110.431% | 51.890   | 1102.000 | 1036.000  | 0.000     | 47740.000 | 43040.000 | 43270.000 |
| 2    | 17:56:28 | 113.989% | 53.670   | 1092.000 | 1029.000  | 0.000     | 46760.000 | 42580.000 | 42940.000 |
| 3    | 17:57:10 | 116.091% | 51.700   | 1087.000 | 1029.000  | 0.000     | 46520.000 | 42680.000 | 46600.000 |
| X    |          | 113.503% | 52.420   | 1094.000 | 1031.000  | 0.000     | 47010.000 | 42760.000 | 44270.000 |
| σ    |          | 2.861%   | 1.086    | 7.602    | 4.072     | 0.000     | 649.300   | 240.800   | 2027.000  |
| %RSD |          | 2.520    | 2.071    | 0.695    | 0.395     | 0.000     | 1.381     | 0.563     | 4.578     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:55:47 | 1855.000 | 9355.000 | 0.000    | 47690.000 | 49640.000 | 49340.000 | 88.630%   | 1002.000  |
| 2    | 17:56:28 | 1844.000 | 9264.000 | 0.000    | 46520.000 | 48960.000 | 48840.000 | 91.000%   | 979.100   |
| 3    | 17:57:10 | 1846.000 | 9295.000 | 0.000    | 46940.000 | 49640.000 | 49430.000 | 90.852%   | 982.500   |
| X    |          | 1848.000 | 9305.000 | 0.000    | 47050.000 | 49410.000 | 49200.000 | 90.160%   | 987.900   |
| σ    |          | 6.062    | 45.900   | 0.000    | 592.400   | 389.300   | 313.900   | 1.327%    | 12.320    |
| %RSD |          | 0.328    | 0.493    | 0.000    | 1.259     | 0.788     | 0.638     | 1.472     | 1.247     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:55:47 | 480.700  | 201.500  | 502.700  | 822.600   | 1085.000  | 498.200   | 486.600   | 239.500   |
| 2    | 17:56:28 | 479.300  | 200.400  | 503.700  | 818.900   | 1090.000  | 490.700   | 484.200   | 238.300   |
| 3    | 17:57:10 | 482.700  | 201.500  | 503.800  | 818.200   | 1105.000  | 491.100   | 484.000   | 236.800   |
| X    |          | 480.900  | 201.200  | 503.400  | 819.900   | 1093.000  | 493.300   | 484.900   | 238.200   |
| σ    |          | 1.705    | 0.645    | 0.602    | 2.367     | 10.300    | 4.237     | 1.438     | 1.366     |
| %RSD |          | 0.355    | 0.321    | 0.120    | 0.289     | 0.942     | 0.859     | 0.297     | 0.574     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:55:47 | 245.400  | 472.600  | 480.100  | 36.100    | 7.943     | 8.645     | 0.000     | 1024.000  |
| 2    | 17:56:28 | 236.000  | 475.100  | 483.200  | 33.650    | 9.718     | 10.290    | 0.000     | 1036.000  |
| 3    | 17:57:10 | 236.100  | 480.600  | 496.800  | 33.970    | 8.686     | 7.699     | 0.000     | 1029.000  |
| X    |          | 239.200  | 476.100  | 486.700  | 34.570    | 8.782     | 8.879     | 0.000     | 1030.000  |
| σ    |          | 5.383    | 4.116    | 8.847    | 1.334     | 0.892     | 1.312     | 0.000     | 6.260     |
| %RSD |          | 2.251    | 0.865    | 1.818    | 3.858     | 10.150    | 14.780    | 0.000     | 0.608     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:55:47 | 84.256%  | 1066.000 | 1061.000 | 85.310%   | 48.910    | 48.290    | 49.320    | 40.080    |
| 2    | 17:56:28 | 85.887%  | 1072.000 | 1078.000 | 87.507%   | 50.420    | 48.640    | 49.290    | 38.750    |
| 3    | 17:57:10 | 87.101%  | 1073.000 | 1059.000 | 88.107%   | 49.200    | 48.900    | 48.160    | 39.780    |
| X    |          | 85.748%  | 1071.000 | 1066.000 | 86.975%   | 49.510    | 48.610    | 48.920    | 39.540    |
| σ    |          | 1.428%   | 3.720    | 10.030   | 1.473%    | 0.804     | 0.307     | 0.661     | 0.698     |
| %RSD |          | 1.665    | 0.348    | 0.941    | 1.693     | 1.624     | 0.632     | 1.351     | 1.764     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 17:55:47 | 91.365%  | 2086.000 | 499.600  | 498.300   | 1945.000  | 1918.000  | 99.022%   | 101.630%  |
| 2    | 17:56:28 | 95.204%  | 2063.000 | 494.100  | 496.200   | 1931.000  | 1908.000  | 102.365%  | 105.043%  |
| 3    | 17:57:10 | 96.184%  | 2057.000 | 494.700  | 495.900   | 1916.000  | 1914.000  | 103.628%  | 105.689%  |
| X    |          | 94.251%  | 2069.000 | 496.100  | 496.800   | 1931.000  | 1913.000  | 101.672%  | 104.121%  |
| σ    |          | 2.547%   | 15.400   | 2.999    | 1.318     | 14.470    | 5.072     | 2.380%    | 2.181%    |
| %RSD |          | 2.702    | 0.745    | 0.604    | 0.265     | 0.749     | 0.265     | 2.341     | 2.094     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 17:55:47 | 51.420   | 50.260   | 21.130   | 20.860    | 20.940    | 95.794%   |           |           |
| 2    | 17:56:28 | 51.950   | 50.100   | 20.450   | 21.090    | 20.870    | 99.959%   |           |           |
| 3    | 17:57:10 | 51.120   | 50.420   | 20.970   | 20.960    | 21.020    | 101.246%  |           |           |
| X    |          | 51.500   | 50.260   | 20.850   | 20.970    | 20.940    | 99.000%   |           |           |
| σ    |          | 0.419    | 0.163    | 0.353    | 0.116     | 0.078     | 2.850%    |           |           |
| %RSD |          | 0.814    | 0.325    | 1.695    | 0.552     | 0.372     | 2.879     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C        | 23Na       | 25Mg     | 26Mg     |
|------|----------|----------|----------|----------|-----------|------------|------------|----------|----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:00:00 | 82.249%  | 7.227    | 2126.000 | 2072.000  | 0.000      | 15430.000  | 7084.000 | 7111.000 |
| 2    | 18:00:42 | 81.833%  | 7.910    | 2169.000 | 2100.000  | 0.000      | 15470.000  | 7144.000 | 7178.000 |
| 3    | 18:01:24 | 82.695%  | 6.869    | 2180.000 | 2085.000  | 0.000      | 15280.000  | 7089.000 | 7079.000 |
| X    |          | 82.259%  | 7.335    | 2158.000 | 2086.000  | 0.000      | 15390.000  | 7106.000 | 7123.000 |
| σ    |          | 0.431%   | 0.529    | 28.630   | 14.200    | 0.000      | 97.110     | 33.420   | 50.220   |
| %RSD |          | 0.524    | 7.213    | 1.326    | 0.681     | 0.000      | 0.631      | 0.470    | 0.705    |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca       | 44Ca       | 45Sc     | 47Ti     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:00:00 | 7652.000 | 7105.000 | 0.000    | 14370.000 | 495200.000 | 568100.000 | 75.290%  | 3.711    |
| 2    | 18:00:42 | 7759.000 | 7167.000 | 0.000    | 14370.000 | 505100.000 | 572600.000 | 73.745%  | 2.097    |
| 3    | 18:01:24 | 7688.000 | 7144.000 | 0.000    | 14250.000 | 501800.000 | 569800.000 | 73.867%  | 2.023    |
| X    |          | 7700.000 | 7139.000 | 0.000    | 14330.000 | 500700.000 | 570200.000 | 74.301%  | 2.610    |
| σ    |          | 54.310   | 31.470   | 0.000    | 68.230    | 5036.000   | 2228.000   | 0.859%   | 0.954    |
| %RSD |          | 0.705    | 0.441    | 0.000    | 0.476     | 1.006      | 0.391      | 1.156    | 36.540   |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe       | 59Co       | 60Ni     | 63Cu     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:00:00 | -0.002   | 9.339    | 222.200  | 592.300   | 1359.000   | 12.140     | 35.370   | 196.700  |
| 2    | 18:00:42 | -0.428   | 9.184    | 227.400  | 601.100   | 1374.000   | 12.750     | 37.930   | 201.100  |
| 3    | 18:01:24 | -0.065   | 9.485    | 225.600  | 599.800   | 1362.000   | 12.190     | 37.510   | 198.600  |
| X    |          | -0.165   | 9.336    | 225.100  | 597.700   | 1365.000   | 12.360     | 36.940   | 198.800  |
| σ    |          | 0.230    | 0.150    | 2.615    | 4.777     | 7.856      | 0.339      | 1.373    | 2.183    |
| %RSD |          | 139.000  | 1.610    | 1.162    | 0.799     | 0.576      | 2.746      | 3.717    | 1.098    |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se       | 82Se       | 83Kr     | 88Sr     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:00:00 | 193.600  | 190.400  | 200.300  | 5.114     | -1.469     | 15.550     | 0.000    | 4536.000 |
| 2    | 18:00:42 | 196.700  | 195.000  | 199.900  | 4.095     | -1.980     | 15.370     | 0.000    | 4604.000 |
| 3    | 18:01:24 | 198.200  | 196.500  | 198.200  | 6.018     | -0.769     | 18.570     | 0.000    | 4606.000 |
| X    |          | 196.200  | 193.900  | 199.500  | 5.076     | -1.406     | 16.500     | 0.000    | 4582.000 |
| σ    |          | 2.358    | 3.157    | 1.090    | 0.962     | 0.608      | 1.799      | 0.000    | 39.490   |
| %RSD |          | 1.202    | 1.628    | 0.546    | 18.950    | 43.280     | 10.900     | 0.000    | 0.862    |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag      | 109Ag      | 111Cd    | 114Cd    |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:00:00 | 0.000    | 9.472    | 9.635    | 72.943%   | 0.158      | 0.157      | 13.590   | 12.550   |
| 2    | 18:00:42 | 0.000    | 8.527    | 7.814    | 72.967%   | 0.065      | 0.064      | 12.950   | 13.350   |
| 3    | 18:01:24 | 0.000    | 6.665    | 7.213    | 72.546%   | 0.035      | 0.053      | 13.900   | 14.040   |
| X    |          | 0.000    | 8.221    | 8.221    | 72.819%   | 0.086      | 0.091      | 13.480   | 13.320   |
| σ    |          | 0.000    | 1.428    | 1.261    | 0.236%    | 0.064      | 0.057      | 0.484    | 0.746    |
| %RSD |          | 0.000    | 17.370   | 15.340   | 0.324     | 74.640     | 62.520     | 3.588    | 5.599    |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba      | 137Ba      | 159Tb    | 165Ho    |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:00:00 | 79.146%  | 10.150   | 2.011    | 2.127     | 69.010     | 68.960     | 88.723%  | 91.361%  |
| 2    | 18:00:42 | 80.246%  | 7.105    | 1.635    | 1.618     | 65.780     | 67.290     | 89.295%  | 91.819%  |
| 3    | 18:01:24 | 79.038%  | 7.519    | 1.444    | 1.325     | 68.910     | 66.620     | 90.416%  | 91.736%  |
| X    |          | 79.476%  | 8.259    | 1.697    | 1.690     | 67.900     | 67.630     | 89.478%  | 91.639%  |
| σ    |          | 0.668%   | 1.654    | 0.288    | 0.406     | 1.835      | 1.203      | 0.861%   | 0.244%   |
| %RSD |          | 0.841    | 20.020   | 16.990   | 23.990    | 2.703      | 1.779      | 0.963    | 0.266    |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb      | 209Bi      |          |          |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        |          |          |
| 1    | 18:00:00 | 23.760   | 23.480   | 8.189    | 8.182     | 8.128      | 78.210%    |          |          |
| 2    | 18:00:42 | 23.600   | 23.950   | 8.397    | 7.736     | 7.954      | 80.481%    |          |          |
| 3    | 18:01:24 | 23.820   | 23.760   | 8.037    | 8.004     | 8.066      | 80.674%    |          |          |
| X    |          | 23.720   | 23.730   | 8.208    | 7.974     | 8.050      | 79.788%    |          |          |
| σ    |          | 0.111    | 0.238    | 0.181    | 0.225     | 0.088      | 1.370%     |          |          |
| %RSD |          | 0.469    | 1.002    | 2.201    | 2.819     | 1.097      | 1.717      |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B      | 13C       | 23Na      | 25Mg     | 26Mg     |
|------|----------|----------|----------|---------|----------|-----------|-----------|----------|----------|
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 18:04:15 | 78.543%  | 0.980    | 446.200 | 445.100  | 0.000     | 2739.000  | 1449.000 | 1461.000 |
| 2    | 18:04:57 | 79.822%  | 1.004    | 464.100 | 443.600  | 0.000     | 2745.000  | 1475.000 | 1446.000 |
| 3    | 18:05:38 | 79.851%  | 1.615    | 444.100 | 437.900  | 0.000     | 2696.000  | 1435.000 | 1434.000 |
| X    |          | 79.405%  | 1.199    | 451.500 | 442.200  | 0.000     | 2727.000  | 1453.000 | 1447.000 |
| σ    |          | 0.747%   | 0.360    | 10.990  | 3.803    | 0.000     | 26.720    | 20.180   | 13.260   |
| %RSD |          | 0.941    | 30.040   | 2.434   | 0.860    | 0.000     | 0.980     | 1.389    | 0.916    |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K      | 43Ca      | 44Ca      | 45Sc     | 47Ti     |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 18:04:15 | 1497.000 | 1424.000 | 0.000   | 2475.000 | 99560.000 | 99010.000 | 74.727%  | 1.090    |
| 2    | 18:04:57 | 1483.000 | 1407.000 | 0.000   | 2476.000 | 99930.000 | 99730.000 | 74.062%  | 0.541    |
| 3    | 18:05:38 | 1497.000 | 1403.000 | 0.000   | 2457.000 | 98990.000 | 99930.000 | 74.399%  | 0.678    |
| X    |          | 1492.000 | 1411.000 | 0.000   | 2469.000 | 99490.000 | 99560.000 | 74.396%  | 0.770    |
| σ    |          | 8.300    | 11.420   | 0.000   | 10.830   | 474.500   | 483.300   | 0.332%   | 0.286    |
| %RSD |          | 0.556    | 0.809    | 0.000   | 0.439    | 0.477     | 0.486     | 0.447    | 37.150   |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe     | 57Fe      | 59Co      | 60Ni     | 63Cu     |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 18:04:15 | 0.194    | 2.051    | 43.990  | 128.600  | 309.700   | 2.635     | 8.030    | 42.010   |
| 2    | 18:04:57 | 0.147    | 2.023    | 45.330  | 125.000  | 290.300   | 2.690     | 7.196    | 41.160   |
| 3    | 18:05:38 | -0.217   | 1.969    | 44.390  | 121.100  | 289.600   | 2.510     | 7.402    | 42.410   |
| X    |          | 0.041    | 2.014    | 44.570  | 124.900  | 296.500   | 2.612     | 7.543    | 41.860   |
| σ    |          | 0.225    | 0.042    | 0.686   | 3.780    | 11.400    | 0.093     | 0.435    | 0.638    |
| %RSD |          | 545.400  | 2.062    | 1.539   | 3.027    | 3.845     | 3.544     | 5.760    | 1.524    |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As     | 78Se      | 82Se      | 83Kr     | 88Sr     |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 18:04:15 | 43.040   | 41.480   | 40.100  | 0.224    | -1.258    | 1.204     | 0.000    | 794.500  |
| 2    | 18:04:57 | 41.750   | 40.770   | 41.030  | 0.524    | -0.038    | 1.747     | 0.000    | 804.200  |
| 3    | 18:05:38 | 40.960   | 39.980   | 42.770  | 1.043    | -1.033    | 3.265     | 0.000    | 802.600  |
| X    |          | 41.920   | 40.740   | 41.300  | 0.597    | -0.777    | 2.072     | 0.000    | 800.400  |
| σ    |          | 1.053    | 0.748    | 1.357   | 0.415    | 0.649     | 1.068     | 0.000    | 5.222    |
| %RSD |          | 2.512    | 1.835    | 3.286   | 69.470   | 83.610    | 51.570    | 0.000    | 0.652    |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh    | 107Ag     | 109Ag     | 111Cd    | 114Cd    |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 18:04:15 | 80.221%  | 1.855    | 1.823   | 75.349%  | 0.049     | 0.036     | 2.881    | 2.415    |
| 2    | 18:04:57 | 81.126%  | 1.299    | 1.805   | 76.340%  | 0.028     | 0.025     | 2.896    | 2.614    |
| 3    | 18:05:38 | 81.196%  | 1.606    | 1.344   | 76.742%  | 0.008     | 0.025     | 2.226    | 2.560    |
| X    |          | 80.848%  | 1.587    | 1.658   | 76.144%  | 0.028     | 0.028     | 2.668    | 2.529    |
| σ    |          | 0.544%   | 0.279    | 0.272   | 0.717%   | 0.020     | 0.006     | 0.382    | 0.103    |
| %RSD |          | 0.673    | 17.550   | 16.380  | 0.942    | 71.190    | 22.830    | 14.330   | 4.069    |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb    | 135Ba     | 137Ba     | 159Tb    | 165Ho    |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 18:04:15 | 79.866%  | 3.655    | 0.462   | 0.670    | 14.460    | 14.350    | 85.712%  | 87.174%  |
| 2    | 18:04:57 | 81.074%  | 3.229    | 0.517   | 0.340    | 13.240    | 13.780    | 86.583%  | 87.950%  |
| 3    | 18:05:38 | 81.372%  | 2.504    | 0.334   | 0.299    | 14.020    | 14.120    | 87.463%  | 88.468%  |
| X    |          | 80.771%  | 3.129    | 0.437   | 0.436    | 13.910    | 14.080    | 86.586%  | 87.864%  |
| σ    |          | 0.798%   | 0.582    | 0.094   | 0.203    | 0.617     | 0.287     | 0.875%   | 0.651%   |
| %RSD |          | 0.988    | 18.610   | 21.480  | 46.610   | 4.437     | 2.036     | 1.011    | 0.741    |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb    | 208Pb     | 209Bi     |          |          |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       |          |          |
| 1    | 18:04:15 | 5.269    | 5.241    | 1.576   | 1.749    | 1.631     | 81.697%   |          |          |
| 2    | 18:04:57 | 4.940    | 5.177    | 1.624   | 1.578    | 1.559     | 84.028%   |          |          |
| 3    | 18:05:38 | 5.189    | 4.973    | 1.503   | 1.610    | 1.499     | 85.583%   |          |          |
| X    |          | 5.133    | 5.130    | 1.567   | 1.645    | 1.563     | 83.769%   |          |          |
| σ    |          | 0.172    | 0.140    | 0.061   | 0.091    | 0.066     | 1.956%    |          |          |
| %RSD |          | 3.343    | 2.724    | 3.892   | 5.524    | 4.226     | 2.335     |          |          |



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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B      | 11B       | 13C        | 23Na       | 25Mg     | 26Mg     |
|------|----------|---------|---------|----------|-----------|------------|------------|----------|----------|
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:08:30 | 86.922% | 0.004   | 1419.000 | 1373.000  | 0.000      | 15470.000  | 964.200  | 946.400  |
| 2    | 18:09:12 | 88.332% | -0.031  | 1427.000 | 1402.000  | 0.000      | 15520.000  | 976.400  | 977.300  |
| 3    | 18:09:53 | 90.363% | 0.003   | 1424.000 | 1396.000  | 0.000      | 15310.000  | 958.800  | 959.000  |
| X    |          | 88.539% | -0.008  | 1423.000 | 1391.000  | 0.000      | 15430.000  | 966.500  | 960.900  |
| σ    |          | 1.730%  | 0.020   | 3.870    | 15.170    | 0.000      | 111.500    | 8.980    | 15.530   |
| %RSD |          | 1.954   | 259.200 | 0.272    | 1.091     | 0.000      | 0.723      | 0.929    | 1.616    |
| Run  | Time     | 27Al    | 28Si    | 37Cl     | 39K       | 43Ca       | 44Ca       | 45Sc     | 47Ti     |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:08:30 | 193.300 | 104.300 | 0.000    | 14340.000 | 466900.000 | 542200.000 | 82.160%  | 0.481    |
| 2    | 18:09:12 | 200.900 | 105.700 | 0.000    | 14350.000 | 468800.000 | 538500.000 | 84.348%  | 0.712    |
| 3    | 18:09:53 | 193.200 | 105.500 | 0.000    | 14230.000 | 465000.000 | 535800.000 | 85.841%  | 0.396    |
| X    |          | 195.800 | 105.200 | 0.000    | 14310.000 | 466900.000 | 538800.000 | 84.116%  | 0.530    |
| σ    |          | 4.425   | 0.772   | 0.000    | 65.030    | 1900.000   | 3208.000   | 1.851%   | 0.164    |
| %RSD |          | 2.260   | 0.733   | 0.000    | 0.455     | 0.407      | 0.596      | 2.201    | 30.900   |
| Run  | Time     | 51V     | 52Cr    | 55Mn     | 56Fe      | 57Fe       | 59Co       | 60Ni     | 63Cu     |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:08:30 | 22.690  | 8.960   | 0.279    | 28.660    | 639.500    | 0.335      | -0.014   | 0.462    |
| 2    | 18:09:12 | 22.610  | 9.158   | 0.485    | 32.690    | 639.200    | 0.380      | -0.181   | 0.343    |
| 3    | 18:09:53 | 22.440  | 9.235   | 0.376    | 30.870    | 629.300    | 0.311      | 0.158    | 0.319    |
| X    |          | 22.580  | 9.118   | 0.380    | 30.740    | 636.000    | 0.342      | -0.012   | 0.375    |
| σ    |          | 0.130   | 0.142   | 0.103    | 2.020     | 5.806      | 0.035      | 0.170    | 0.076    |
| %RSD |          | 0.577   | 1.556   | 27.120   | 6.573     | 0.913      | 10.160     | 1387.000 | 20.400   |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn     | 75As      | 78Se       | 82Se       | 83Kr     | 88Sr     |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:08:30 | 0.794   | 0.509   | 0.587    | 14.670    | 18.260     | 30.870     | 0.000    | 4061.000 |
| 2    | 18:09:12 | 0.991   | 0.959   | 0.982    | 15.190    | 14.320     | 32.880     | 0.000    | 4887.000 |
| 3    | 18:09:53 | 0.767   | 0.510   | 0.847    | 13.520    | 13.580     | 31.050     | 0.000    | 4138.000 |
| X    |          | 0.851   | 0.659   | 0.805    | 14.460    | 15.390     | 31.600     | 0.000    | 4362.000 |
| σ    |          | 0.123   | 0.259   | 0.201    | 0.854     | 2.517      | 1.109      | 0.000    | 455.900  |
| %RSD |          | 14.400  | 39.370  | 24.960   | 5.905     | 16.360     | 3.508      | 0.000    | 10.450   |
| Run  | Time     | 89Y     | 95Mo    | 98Mo     | 103Rh     | 107Ag      | 109Ag      | 111Cd    | 114Cd    |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:08:30 | 84.132% | 325.600 | 329.400  | 80.691%   | 0.026      | 0.003      | 0.121    | 0.135    |
| 2    | 18:09:12 | 86.002% | 337.100 | 340.600  | 83.598%   | 0.030      | 0.042      | 0.170    | 0.132    |
| 3    | 18:09:53 | 88.029% | 334.400 | 341.600  | 84.788%   | 0.020      | 0.017      | -0.105   | -0.113   |
| X    |          | 86.055% | 332.300 | 337.200  | 83.026%   | 0.025      | 0.020      | 0.062    | 0.051    |
| σ    |          | 1.949%  | 6.015   | 6.766    | 2.108%    | 0.005      | 0.020      | 0.147    | 0.142    |
| %RSD |          | 2.265   | 1.810   | 2.007    | 2.538     | 19.160     | 95.530     | 236.400  | 277.800  |
| Run  | Time     | 115In   | 118Sn   | 121Sb    | 123Sb     | 135Ba      | 137Ba      | 159Tb    | 165Ho    |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:08:30 | 85.576% | 3.466   | 2.115    | 2.327     | 199.600    | 202.100    | 92.976%  | 93.652%  |
| 2    | 18:09:12 | 87.619% | 3.595   | 2.125    | 2.084     | 207.400    | 203.700    | 96.248%  | 97.690%  |
| 3    | 18:09:53 | 90.702% | 4.119   | 2.285    | 2.020     | 199.600    | 201.500    | 97.469%  | 98.464%  |
| X    |          | 87.966% | 3.727   | 2.175    | 2.144     | 202.200    | 202.400    | 95.564%  | 96.602%  |
| σ    |          | 2.581%  | 0.346   | 0.095    | 0.162     | 4.487      | 1.124      | 2.323%   | 2.584%   |
| %RSD |          | 2.934   | 9.283   | 4.373    | 7.571     | 2.219      | 0.555      | 2.431    | 2.675    |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb    | 207Pb     | 208Pb      | 209Bi      |          |          |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        |          |          |
| 1    | 18:08:30 | 1.457   | 1.400   | 0.028    | 0.025     | 0.017      | 89.503%    |          |          |
| 2    | 18:09:12 | 1.517   | 1.467   | 0.007    | 0.050     | 0.034      | 91.363%    |          |          |
| 3    | 18:09:53 | 1.422   | 1.395   | 0.007    | 0.009     | 0.023      | 92.056%    |          |          |
| X    |          | 1.466   | 1.421   | 0.014    | 0.028     | 0.025      | 90.974%    |          |          |
| σ    |          | 0.048   | 0.040   | 0.012    | 0.021     | 0.009      | 1.320%     |          |          |
| %RSD |          | 3.284   | 2.842   | 88.840   | 75.330    | 35.890     | 1.451      |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B     | 11B       | 13C        | 23Na       | 25Mg     | 26Mg     |
|------|----------|---------|---------|---------|-----------|------------|------------|----------|----------|
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:12:44 | 89.871% | -0.031  | 148.800 | 147.300   | 0.000      | 15210.000  | 19.940   | 19.200   |
| 2    | 18:13:26 | 91.825% | 0.003   | 148.200 | 143.500   | 0.000      | 15200.000  | 19.070   | 19.920   |
| 3    | 18:14:08 | 92.848% | 0.068   | 153.000 | 142.300   | 0.000      | 15130.000  | 22.700   | 20.650   |
| X    |          | 91.515% | 0.013   | 150.000 | 144.400   | 0.000      | 15180.000  | 20.570   | 19.920   |
| σ    |          | 1.513%  | 0.050   | 2.576   | 2.599     | 0.000      | 40.790     | 1.893    | 0.725    |
| %RSD |          | 1.653   | 378.800 | 1.717   | 1.800     | 0.000      | 0.269      | 9.200    | 3.639    |
| Run  | Time     | 27Al    | 28Si    | 37Cl    | 39K       | 43Ca       | 44Ca       | 45Sc     | 47Ti     |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:12:44 | 2.053   | 45.020  | 0.000   | 14380.000 | 295900.000 | 343800.000 | 88.811%  | 0.205    |
| 2    | 18:13:26 | 2.324   | 45.220  | 0.000   | 14390.000 | 298900.000 | 343600.000 | 89.773%  | 0.086    |
| 3    | 18:14:08 | 2.340   | 44.420  | 0.000   | 14420.000 | 298100.000 | 344800.000 | 90.269%  | 0.143    |
| X    |          | 2.239   | 44.890  | 0.000   | 14400.000 | 297600.000 | 344100.000 | 89.618%  | 0.145    |
| σ    |          | 0.161   | 0.414   | 0.000   | 21.750    | 1562.000   | 609.600    | 0.741%   | 0.059    |
| %RSD |          | 7.205   | 0.922   | 0.000   | 0.151     | 0.525      | 0.177      | 0.827    | 41.160   |
| Run  | Time     | 51V     | 52Cr    | 55Mn    | 56Fe      | 57Fe       | 59Co       | 60Ni     | 63Cu     |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:12:44 | 0.755   | 13.110  | 0.370   | 34.350    | 451.000    | 0.250      | 0.466    | 0.366    |
| 2    | 18:13:26 | 1.144   | 12.850  | 0.406   | 33.760    | 427.500    | 0.275      | 1.312    | 0.252    |
| 3    | 18:14:08 | 1.755   | 13.710  | 0.379   | 35.370    | 420.100    | 0.272      | 0.652    | 0.356    |
| X    |          | 1.218   | 13.220  | 0.385   | 34.490    | 432.900    | 0.266      | 0.810    | 0.325    |
| σ    |          | 0.504   | 0.443   | 0.019   | 0.811     | 16.170     | 0.014      | 0.445    | 0.063    |
| %RSD |          | 41.380  | 3.350   | 4.948   | 2.351     | 3.735      | 5.107      | 54.920   | 19.490   |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn    | 75As      | 78Se       | 82Se       | 83Kr     | 88Sr     |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:12:44 | 0.739   | 1.367   | 2.022   | 8.409     | -0.941     | 18.300     | 0.000    | 3993.000 |
| 2    | 18:13:26 | 0.683   | 1.672   | 1.168   | 8.719     | 0.062      | 18.510     | 0.000    | 4707.000 |
| 3    | 18:14:08 | 0.467   | 1.528   | 2.353   | 8.130     | -0.936     | 16.690     | 0.000    | 4690.000 |
| X    |          | 0.630   | 1.522   | 1.848   | 8.419     | -0.605     | 17.840     | 0.000    | 4463.000 |
| σ    |          | 0.144   | 0.153   | 0.611   | 0.295     | 0.578      | 0.998      | 0.000    | 407.300  |
| %RSD |          | 22.790  | 10.040  | 33.090  | 3.504     | 95.460     | 5.595      | 0.000    | 9.125    |
| Run  | Time     | 89Y     | 95Mo    | 98Mo    | 103Rh     | 107Ag      | 109Ag      | 111Cd    | 114Cd    |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:12:44 | 89.604% | 291.500 | 291.000 | 87.293%   | 0.007      | 0.021      | 0.131    | 0.050    |
| 2    | 18:13:26 | 91.960% | 294.800 | 297.300 | 89.694%   | 0.027      | 0.016      | 0.417    | 0.233    |
| 3    | 18:14:08 | 93.060% | 291.600 | 297.000 | 90.941%   | 0.031      | 0.002      | 0.163    | 0.050    |
| X    |          | 91.541% | 292.700 | 295.100 | 89.309%   | 0.022      | 0.013      | 0.237    | 0.111    |
| σ    |          | 1.766%  | 1.889   | 3.577   | 1.854%    | 0.013      | 0.010      | 0.157    | 0.106    |
| %RSD |          | 1.929   | 0.645   | 1.212   | 2.076     | 61.010     | 76.110     | 66.090   | 95.060   |
| Run  | Time     | 115In   | 118Sn   | 121Sb   | 123Sb     | 135Ba      | 137Ba      | 159Tb    | 165Ho    |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:12:44 | 91.566% | 3.493   | 0.129   | 0.151     | 267.500    | 270.400    | 96.314%  | 97.234%  |
| 2    | 18:13:26 | 93.750% | 2.987   | 0.125   | 0.106     | 270.600    | 268.500    | 100.421% | 99.879%  |
| 3    | 18:14:08 | 95.221% | 3.689   | 0.088   | 0.160     | 264.100    | 273.500    | 100.943% | 102.170% |
| X    |          | 93.512% | 3.390   | 0.114   | 0.139     | 267.400    | 270.800    | 99.226%  | 99.761%  |
| σ    |          | 1.839%  | 0.362   | 0.023   | 0.029     | 3.284      | 2.497      | 2.536%   | 2.470%   |
| %RSD |          | 1.967   | 10.680  | 19.990  | 21.100    | 1.228      | 0.922      | 2.555    | 2.476    |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb   | 207Pb     | 208Pb      | 209Bi      |          |          |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        |          |          |
| 1    | 18:12:44 | 0.565   | 0.463   | 2.568   | 2.531     | 2.635      | 91.694%    |          |          |
| 2    | 18:13:26 | 0.458   | 0.448   | 2.661   | 2.578     | 2.538      | 94.549%    |          |          |
| 3    | 18:14:08 | 0.469   | 0.413   | 2.605   | 2.536     | 2.618      | 95.931%    |          |          |
| X    |          | 0.497   | 0.441   | 2.611   | 2.548     | 2.597      | 94.058%    |          |          |
| σ    |          | 0.059   | 0.026   | 0.047   | 0.026     | 0.052      | 2.161%     |          |          |
| %RSD |          | 11.810  | 5.818   | 1.787   | 1.018     | 2.007      | 2.297      |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li       | 9Be       | 10B      | 11B       | 13C        | 23Na       | 25Mg     | 26Mg     |
|------|----------|-----------|-----------|----------|-----------|------------|------------|----------|----------|
|      |          | ppb       | ppb       | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:17:00 | 77.413%   | 12.530    | 2277.000 | 2209.000  | 0.000      | 15130.000  | 8249.000 | 8252.000 |
| 2    | 18:17:42 | 77.640%   | 10.930    | 2301.000 | 2216.000  | 0.000      | 15030.000  | 8300.000 | 8269.000 |
| 3    | 18:18:23 | 77.062%   | 11.380    | 2307.000 | 2247.000  | 0.000      | 15080.000  | 8384.000 | 8375.000 |
| x    |          | 77.372%   | 11.610    | 2295.000 | 2224.000  | 0.000      | 15080.000  | 8311.000 | 8298.000 |
| σ    |          | 0.291%    | 0.826     | 15.850   | 20.500    | 0.000      | 52.380     | 67.750   | 66.460   |
| %RSD |          | 0.377     | 7.109     | 0.691    | 0.922     | 0.000      | 0.347      | 0.815    | 0.801    |
| Run  | Time     | 27Al      | 28Si      | 37Cl     | 39K       | 43Ca       | 44Ca       | 45Sc     | 47Ti     |
|      |          | ppb       | ppb       | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:17:00 | 17420.000 | 10380.000 | 0.000    | 14290.000 | 541900.000 | 622400.000 | 71.822%  | 4.694    |
| 2    | 18:17:42 | 17300.000 | 10880.000 | 0.000    | 14190.000 | 540000.000 | 616800.000 | 71.034%  | 4.385    |
| 3    | 18:18:23 | 17330.000 | 11530.000 | 0.000    | 14330.000 | 548200.000 | 621300.000 | 70.110%  | 5.683    |
| x    |          | 17350.000 | 10930.000 | 0.000    | 14270.000 | 543400.000 | 620200.000 | 70.989%  | 4.921    |
| σ    |          | 64.730    | 577.000   | 0.000    | 68.150    | 4311.000   | 2979.000   | 0.857%   | 0.678    |
| %RSD |          | 0.373     | 5.280     | 0.000    | 0.478     | 0.793      | 0.480      | 1.207    | 13.780   |
| Run  | Time     | 51V       | 52Cr      | 55Mn     | 56Fe      | 57Fe       | 59Co       | 60Ni     | 63Cu     |
|      |          | ppb       | ppb       | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:17:00 | -0.531    | 205.200   | 239.100  | 4768.000  | 6268.000   | 12.600     | 35.560   | 222.700  |
| 2    | 18:17:42 | 1.465     | 206.500   | 240.000  | 4775.000  | 6221.000   | 12.540     | 36.580   | 224.000  |
| 3    | 18:18:23 | 1.108     | 207.900   | 241.700  | 4825.000  | 6274.000   | 12.370     | 36.820   | 223.600  |
| x    |          | 0.681     | 206.500   | 240.300  | 4790.000  | 6254.000   | 12.500     | 36.320   | 223.500  |
| σ    |          | 1.064     | 1.375     | 1.365    | 31.080    | 29.250     | 0.117      | 0.668    | 0.680    |
| %RSD |          | 156.300   | 0.666     | 0.568    | 0.649     | 0.468      | 0.937      | 1.839    | 0.304    |
| Run  | Time     | 65Cu      | 66Zn      | 68Zn     | 75As      | 78Se       | 82Se       | 83Kr     | 88Sr     |
|      |          | ppb       | ppb       | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:17:00 | 219.700   | 193.800   | 192.800  | 4.635     | -1.771     | 9.108      | 0.000    | 3314.000 |
| 2    | 18:17:42 | 218.700   | 194.300   | 193.100  | 5.468     | -2.076     | 10.960     | 0.000    | 3343.000 |
| 3    | 18:18:23 | 221.800   | 198.100   | 198.200  | 6.457     | -0.995     | 12.820     | 0.000    | 3338.000 |
| x    |          | 220.000   | 195.400   | 194.700  | 5.520     | -1.614     | 10.960     | 0.000    | 3332.000 |
| σ    |          | 1.549     | 2.320     | 3.028    | 0.912     | 0.557      | 1.858      | 0.000    | 15.460   |
| %RSD |          | 0.704     | 1.187     | 1.555    | 16.520    | 34.530     | 16.940     | 0.000    | 0.464    |
| Run  | Time     | 89Y       | 95Mo      | 98Mo     | 103Rh     | 107Ag      | 109Ag      | 111Cd    | 114Cd    |
|      |          | ppb       | ppb       | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:17:00 | 101.180%  | 7.449     | 7.737    | 69.867%   | 0.004      | -0.007     | 15.960   | 13.800   |
| 2    | 18:17:42 | 100.623%  | 6.646     | 7.307    | 69.844%   | 0.009      | 0.004      | 13.790   | 14.160   |
| 3    | 18:18:23 | 100.969%  | 6.523     | 7.048    | 70.297%   | -0.001     | 0.016      | 14.050   | 13.510   |
| x    |          | 100.924%  | 6.872     | 7.364    | 70.003%   | 0.004      | 0.004      | 14.600   | 13.820   |
| σ    |          | 0.281%    | 0.503     | 0.348    | 0.255%    | 0.005      | 0.011      | 1.186    | 0.327    |
| %RSD |          | 0.279     | 7.315     | 4.726    | 0.364     | 127.700    | 262.000    | 8.125    | 2.365    |
| Run  | Time     | 115In     | 118Sn     | 121Sb    | 123Sb     | 135Ba      | 137Ba      | 159Tb    | 165Ho    |
|      |          | ppb       | ppb       | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:17:00 | 76.674%   | 2.879     | 2.241    | 2.366     | 69.140     | 65.540     | 87.115%  | 89.550%  |
| 2    | 18:17:42 | 77.983%   | 3.054     | 2.399    | 2.247     | 67.840     | 68.390     | 87.728%  | 90.086%  |
| 3    | 18:18:23 | 77.891%   | 2.640     | 2.330    | 2.378     | 66.400     | 67.870     | 88.134%  | 89.879%  |
| x    |          | 77.516%   | 2.858     | 2.324    | 2.330     | 67.790     | 67.270     | 87.659%  | 89.838%  |
| σ    |          | 0.731%    | 0.208     | 0.079    | 0.072     | 1.369      | 1.517      | 0.513%   | 0.270%   |
| %RSD |          | 0.943     | 7.270     | 3.400    | 3.106     | 2.019      | 2.255      | 0.585    | 0.301    |
| Run  | Time     | 203Tl     | 205Tl     | 206Pb    | 207Pb     | 208Pb      | 209Bi      |          |          |
|      |          | ppb       | ppb       | ppb      | ppb       | ppb        | ppb        |          |          |
| 1    | 18:17:00 | 22.680    | 21.920    | 25.630   | 24.730    | 24.880     | 81.148%    |          |          |
| 2    | 18:17:42 | 23.190    | 22.770    | 25.440   | 25.280    | 25.050     | 82.287%    |          |          |
| 3    | 18:18:23 | 23.430    | 23.260    | 25.460   | 25.080    | 24.990     | 82.825%    |          |          |
| x    |          | 23.100    | 22.650    | 25.510   | 25.030    | 24.970     | 82.087%    |          |          |
| σ    |          | 0.383     | 0.676     | 0.106    | 0.279     | 0.087      | 0.856%     |          |          |
| %RSD |          | 1.657     | 2.984     | 0.416    | 1.113     | 0.347      | 1.043      |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B       | 13C        | 23Na       | 25Mg     | 26Mg     |
|------|----------|---------|----------|----------|-----------|------------|------------|----------|----------|
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:21:16 | 82.348% | -0.031   | 1726.000 | 1694.000  | 0.000      | 14980.000  | 6994.000 | 7029.000 |
| 2    | 18:21:57 | 85.776% | 0.076    | 1717.000 | 1688.000  | 0.000      | 14790.000  | 7034.000 | 7036.000 |
| 3    | 18:22:39 | 86.956% | -0.031   | 1728.000 | 1677.000  | 0.000      | 14850.000  | 7107.000 | 7055.000 |
| X    |          | 85.027% | 0.005    | 1723.000 | 1686.000  | 0.000      | 14870.000  | 7045.000 | 7040.000 |
| σ    |          | 2.393%  | 0.062    | 5.978    | 8.481     | 0.000      | 96.020     | 57.390   | 13.590   |
| %RSD |          | 2.815   | 1239.000 | 0.347    | 0.503     | 0.000      | 0.646      | 0.815    | 0.193    |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K       | 43Ca       | 44Ca       | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:21:16 | 37.290  | 660.200  | 0.000    | 13870.000 | 514500.000 | 598700.000 | 78.104%  | 0.112    |
| 2    | 18:21:57 | 28.210  | 561.700  | 0.000    | 13860.000 | 521400.000 | 598200.000 | 80.272%  | 0.429    |
| 3    | 18:22:39 | 26.360  | 500.000  | 0.000    | 13930.000 | 524200.000 | 598500.000 | 81.354%  | 0.040    |
| X    |          | 30.620  | 574.000  | 0.000    | 13880.000 | 520000.000 | 598500.000 | 79.910%  | 0.194    |
| σ    |          | 5.850   | 80.820   | 0.000    | 38.580    | 4989.000   | 267.500    | 1.655%   | 0.207    |
| %RSD |          | 19.110  | 14.080   | 0.000    | 0.278     | 0.959      | 0.045      | 2.071    | 106.900  |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe      | 57Fe       | 59Co       | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:21:16 | 3.206   | 3.427    | 82.520   | 45.090    | 764.800    | 2.834      | 10.780   | 0.613    |
| 2    | 18:21:57 | 3.207   | 3.305    | 82.740   | 37.800    | 720.900    | 2.815      | 10.890   | 0.694    |
| 3    | 18:22:39 | 1.587   | 3.296    | 82.640   | 36.720    | 724.500    | 2.927      | 10.760   | 0.526    |
| X    |          | 2.667   | 3.343    | 82.630   | 39.870    | 736.800    | 2.859      | 10.810   | 0.611    |
| σ    |          | 0.935   | 0.073    | 0.113    | 4.555     | 24.390     | 0.060      | 0.070    | 0.084    |
| %RSD |          | 35.060  | 2.189    | 0.137    | 11.430    | 3.310      | 2.104      | 0.647    | 13.780   |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As      | 78Se       | 82Se       | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:21:16 | 1.596   | 2.459    | 2.427    | 7.874     | 1.683      | 17.610     | 0.000    | 4069.000 |
| 2    | 18:21:57 | 0.751   | 2.341    | 2.747    | 10.500    | 4.338      | 20.530     | 0.000    | 4081.000 |
| 3    | 18:22:39 | 0.902   | 1.972    | 2.442    | 9.382     | 3.371      | 20.100     | 0.000    | 4080.000 |
| X    |          | 1.083   | 2.257    | 2.539    | 9.251     | 3.131      | 19.410     | 0.000    | 4077.000 |
| σ    |          | 0.451   | 0.254    | 0.181    | 1.317     | 1.344      | 1.577      | 0.000    | 7.084    |
| %RSD |          | 41.610  | 11.270   | 7.113    | 14.240    | 42.920     | 8.125      | 0.000    | 0.174    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh     | 107Ag      | 109Ag      | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:21:16 | 79.818% | 283.300  | 286.400  | 76.469%   | 0.008      | 0.004      | 1.904    | 1.988    |
| 2    | 18:21:57 | 82.961% | 284.900  | 288.200  | 80.192%   | 0.008      | 0.003      | 2.298    | 1.560    |
| 3    | 18:22:39 | 84.550% | 285.700  | 290.800  | 81.340%   | -0.002     | -0.007     | 2.073    | 2.142    |
| X    |          | 82.443% | 284.700  | 288.500  | 79.334%   | 0.005      | -0.000     | 2.092    | 1.897    |
| σ    |          | 2.408%  | 1.200    | 2.186    | 2.546%    | 0.006      | 0.006      | 0.198    | 0.301    |
| %RSD |          | 2.921   | 0.422    | 0.758    | 3.210     | 120.900    | 5510.000   | 9.444    | 15.890   |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb     | 135Ba      | 137Ba      | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:21:16 | 81.369% | 3.656    | 5.850    | 5.751     | 92.430     | 92.080     | 87.953%  | 90.174%  |
| 2    | 18:21:57 | 85.751% | 4.009    | 5.748    | 5.672     | 90.640     | 91.530     | 91.860%  | 93.697%  |
| 3    | 18:22:39 | 86.930% | 3.893    | 6.361    | 5.681     | 93.230     | 92.990     | 93.141%  | 95.122%  |
| X    |          | 84.683% | 3.853    | 5.986    | 5.701     | 92.100     | 92.200     | 90.985%  | 92.998%  |
| σ    |          | 2.930%  | 0.180    | 0.329    | 0.043     | 1.323      | 0.738      | 2.703%   | 2.547%   |
| %RSD |          | 3.460   | 4.671    | 5.487    | 0.760     | 1.436      | 0.801      | 2.970    | 2.739    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb     | 208Pb      | 209Bi      |          |          |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb        | ppb        |          |          |
| 1    | 18:21:16 | 5.704   | 5.675    | 0.061    | 0.070     | 0.073      | 83.388%    |          |          |
| 2    | 18:21:57 | 5.637   | 5.449    | 0.030    | 0.106     | 0.066      | 86.557%    |          |          |
| 3    | 18:22:39 | 5.540   | 5.575    | 0.074    | 0.081     | 0.079      | 87.740%    |          |          |
| X    |          | 5.627   | 5.566    | 0.055    | 0.086     | 0.073      | 85.895%    |          |          |
| σ    |          | 0.083   | 0.114    | 0.023    | 0.019     | 0.006      | 2.250%     |          |          |
| %RSD |          | 1.471   | 2.039    | 41.420   | 21.750    | 8.712      | 2.620      |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B      | 11B       | 13C        | 23Na       | 25Mg     | 26Mg     |
|------|----------|---------|---------|----------|-----------|------------|------------|----------|----------|
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:25:32 | 87.590% | 0.039   | 1510.000 | 1483.000  | 0.000      | 15470.000  | 2242.000 | 2237.000 |
| 2    | 18:26:13 | 89.833% | 0.003   | 1517.000 | 1457.000  | 0.000      | 15390.000  | 2245.000 | 2245.000 |
| 3    | 18:26:55 | 91.284% | 0.003   | 1485.000 | 1459.000  | 0.000      | 15310.000  | 2241.000 | 2229.000 |
| X    |          | 89.569% | 0.015   | 1504.000 | 1466.000  | 0.000      | 15390.000  | 2243.000 | 2237.000 |
| σ    |          | 1.861%  | 0.021   | 16.780   | 14.100    | 0.000      | 83.430     | 1.890    | 7.705    |
| %RSD |          | 2.078   | 137.700 | 1.116    | 0.962     | 0.000      | 0.542      | 0.084    | 0.344    |
| Run  | Time     | 27Al    | 28Si    | 37Cl     | 39K       | 43Ca       | 44Ca       | 45Sc     | 47Ti     |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:25:32 | 199.300 | 164.700 | 0.000    | 14580.000 | 516600.000 | 605200.000 | 84.069%  | 0.036    |
| 2    | 18:26:13 | 197.600 | 155.000 | 0.000    | 14510.000 | 517200.000 | 601100.000 | 85.070%  | 0.096    |
| 3    | 18:26:55 | 198.800 | 146.100 | 0.000    | 14500.000 | 523300.000 | 603300.000 | 85.439%  | 0.034    |
| X    |          | 198.600 | 155.200 | 0.000    | 14530.000 | 519000.000 | 603200.000 | 84.859%  | 0.055    |
| σ    |          | 0.877   | 9.334   | 0.000    | 44.040    | 3684.000   | 2030.000   | 0.709%   | 0.035    |
| %RSD |          | 0.442   | 6.013   | 0.000    | 0.303     | 0.710      | 0.337      | 0.835    | 63.240   |
| Run  | Time     | 51V     | 52Cr    | 55Mn     | 56Fe      | 57Fe       | 59Co       | 60Ni     | 63Cu     |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:25:32 | 22.170  | 7.748   | 0.124    | 31.600    | 708.400    | 0.218      | 0.535    | 0.354    |
| 2    | 18:26:13 | 22.660  | 7.459   | 0.175    | 30.350    | 673.500    | 0.123      | 0.042    | 0.265    |
| 3    | 18:26:55 | 21.180  | 7.993   | 0.154    | 29.380    | 696.400    | 0.221      | 0.322    | 0.232    |
| X    |          | 22.010  | 7.733   | 0.151    | 30.440    | 692.700    | 0.187      | 0.300    | 0.284    |
| σ    |          | 0.755   | 0.267   | 0.026    | 1.111     | 17.740     | 0.056      | 0.247    | 0.063    |
| %RSD |          | 3.432   | 3.458   | 16.930   | 3.650     | 2.561      | 29.670     | 82.560   | 22.280   |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn     | 75As      | 78Se       | 82Se       | 83Kr     | 88Sr     |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:25:32 | 0.667   | 0.170   | 0.476    | 15.500    | 11.340     | 33.410     | 0.000    | 5046.000 |
| 2    | 18:26:13 | 0.652   | 0.425   | 0.638    | 14.670    | 14.400     | 30.280     | 0.000    | 4976.000 |
| 3    | 18:26:55 | 0.785   | 0.354   | 0.105    | 13.600    | 12.710     | 32.970     | 0.000    | 4979.000 |
| X    |          | 0.701   | 0.316   | 0.406    | 14.590    | 12.810     | 32.220     | 0.000    | 5000.000 |
| σ    |          | 0.073   | 0.132   | 0.274    | 0.955     | 1.533      | 1.694      | 0.000    | 39.240   |
| %RSD |          | 10.400  | 41.640  | 67.350   | 6.545     | 11.960     | 5.257      | 0.000    | 0.785    |
| Run  | Time     | 89Y     | 95Mo    | 98Mo     | 103Rh     | 107Ag      | 109Ag      | 111Cd    | 114Cd    |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:25:32 | 86.106% | 328.200 | 332.400  | 82.619%   | -0.002     | 0.018      | 0.172    | 0.162    |
| 2    | 18:26:13 | 88.098% | 333.700 | 335.100  | 84.647%   | 0.016      | -0.002     | 0.108    | 0.175    |
| 3    | 18:26:55 | 88.807% | 332.000 | 335.900  | 85.451%   | -0.002     | 0.002      | 0.321    | 0.086    |
| X    |          | 87.670% | 331.300 | 334.500  | 84.239%   | 0.004      | 0.006      | 0.200    | 0.141    |
| σ    |          | 1.400%  | 2.814   | 1.849    | 1.459%    | 0.010      | 0.010      | 0.109    | 0.048    |
| %RSD |          | 1.597   | 0.850   | 0.553    | 1.732     | 259.800    | 173.700    | 54.610   | 34.300   |
| Run  | Time     | 115In   | 118Sn   | 121Sb    | 123Sb     | 135Ba      | 137Ba      | 159Tb    | 165Ho    |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        | ppb      | ppb      |
| 1    | 18:25:32 | 87.127% | 2.768   | 2.674    | 2.724     | 205.100    | 204.400    | 94.665%  | 95.561%  |
| 2    | 18:26:13 | 89.275% | 3.104   | 2.625    | 2.721     | 204.200    | 210.800    | 96.495%  | 98.168%  |
| 3    | 18:26:55 | 91.292% | 2.540   | 2.524    | 2.386     | 202.000    | 205.200    | 97.776%  | 99.944%  |
| X    |          | 89.231% | 2.804   | 2.608    | 2.610     | 203.800    | 206.800    | 96.312%  | 97.891%  |
| σ    |          | 2.083%  | 0.283   | 0.077    | 0.194     | 1.557      | 3.501      | 1.563%   | 2.205%   |
| %RSD |          | 2.334   | 10.100  | 2.944    | 7.440     | 0.764      | 1.693      | 1.623    | 2.252    |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb    | 207Pb     | 208Pb      | 209Bi      |          |          |
|      |          | ppb     | ppb     | ppb      | ppb       | ppb        | ppb        |          |          |
| 1    | 18:25:32 | 1.537   | 1.562   | 0.011    | 0.002     | 0.016      | 89.274%    |          |          |
| 2    | 18:26:13 | 1.643   | 1.527   | 0.007    | -0.002    | 0.012      | 91.086%    |          |          |
| 3    | 18:26:55 | 1.513   | 1.529   | 0.026    | 0.005     | 0.017      | 91.901%    |          |          |
| X    |          | 1.564   | 1.539   | 0.015    | 0.001     | 0.015      | 90.754%    |          |          |
| σ    |          | 0.069   | 0.020   | 0.010    | 0.004     | 0.003      | 1.345%     |          |          |
| %RSD |          | 4.414   | 1.268   | 69.450   | 260.600   | 17.170     | 1.482      |          |          |

CCV 664806 12/29/2012 6:32:39 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 18:33:20 | 73.778%  | 106.000  | 118.600  | 120.600   | 0.000     | 51620.000 | 45160.000 | 45640.000 |
| 2    | 18:34:02 | 75.638%  | 104.800  | 111.600  | 116.200   | 0.000     | 51310.000 | 45600.000 | 46000.000 |
| 3    | 18:34:44 | 78.954%  | 105.200  | 125.200  | 109.900   | 0.000     | 50190.000 | 44880.000 | 45350.000 |
| X    |          | 76.124%  | 105.332% | 118.449% | 115.561%  | 0.000     | 102.078%  | 90.425%   | 91.328%   |
| σ    |          | 2.622%   | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 3.444    | 0.620    | 5.708    | 4.640     | 0.000     | 1.476     | 0.793     | 0.717     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 18:33:20 | 507.500  | 5287.000 | 0.000    | 53740.000 | 53690.000 | 53460.000 | 66.298%   | 108.100   |
| 2    | 18:34:02 | 506.600  | 5322.000 | 0.000    | 53420.000 | 54010.000 | 53940.000 | 68.030%   | 113.800   |
| 3    | 18:34:44 | 504.700  | 5238.000 | 0.000    | 53060.000 | 54990.000 | 54130.000 | 69.280%   | 114.000   |
| X    |          | 101.250% | 105.647% | 0.000    | 106.813%  | 108.467%  | 107.689%  | 67.869%   | 111.969%  |
| σ    |          | n/a      | n/a      | 0.000    | n/a       | n/a       | n/a       | 1.497%    | n/a       |
| %RSD |          | 0.286    | 0.801    | 0.000    | 0.641     | 1.248     | 0.639     | 2.206     | 2.968     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 18:33:20 | 107.100  | 107.700  | 531.800  | 26780.000 | 26440.000 | 105.300   | 105.900   | 106.000   |
| 2    | 18:34:02 | 108.300  | 109.400  | 537.300  | 26570.000 | 26880.000 | 107.400   | 109.100   | 107.200   |
| 3    | 18:34:44 | 107.100  | 109.300  | 537.700  | 26290.000 | 26920.000 | 107.100   | 108.000   | 105.800   |
| X    |          | 107.468% | 108.792% | 107.119% | 106.180%  | 106.987%  | 106.597%  | 107.645%  | 106.328%  |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 0.646    | 0.843    | 0.613    | 0.927     | 1.001     | 1.095     | 1.502     | 0.721     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 18:33:20 | 101.400  | 102.400  | 105.800  | 97.500    | 97.230    | 95.730    | 0.000     | 93.950    |
| 2    | 18:34:02 | 106.600  | 106.700  | 110.600  | 101.000   | 98.560    | 98.230    | 0.000     | 95.450    |
| 3    | 18:34:44 | 106.000  | 110.800  | 109.200  | 103.800   | 103.000   | 101.700   | 0.000     | 96.110    |
| X    |          | 104.662% | 106.647% | 108.516% | 100.772%  | 99.610%   | 98.553%   | 0.000     | 95.172%   |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 2.689    | 3.915    | 2.306    | 3.130     | 3.057     | 3.043     | 0.000     | 1.165     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 18:33:20 | 79.768%  | 97.640   | 99.840   | 74.594%   | 98.590    | 97.050    | 100.300   | 96.980    |
| 2    | 18:34:02 | 81.420%  | 99.600   | 102.200  | 77.582%   | 100.000   | 99.690    | 99.700    | 99.710    |
| 3    | 18:34:44 | 83.445%  | 100.600  | 103.100  | 79.548%   | 98.680    | 99.840    | 99.850    | 98.500    |
| X    |          | 81.544%  | 99.283%  | 101.711% | 77.241%   | 99.096%   | 98.857%   | 99.936%   | 98.394%   |
| σ    |          | 1.841%   | n/a      | n/a      | 2.494%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 2.258    | 1.521    | 1.656    | 3.229     | 0.807     | 1.588     | 0.294     | 1.390     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 18:33:20 | 79.706%  | 98.420   | 97.630   | 98.440    | 99.890    | 96.330    | 83.366%   | 85.364%   |
| 2    | 18:34:02 | 82.075%  | 98.370   | 100.800  | 99.970    | 97.050    | 96.670    | 87.717%   | 88.873%   |
| 3    | 18:34:44 | 83.893%  | 99.660   | 100.400  | 99.660    | 96.380    | 98.590    | 89.282%   | 91.135%   |
| X    |          | 81.892%  | 98.815%  | 99.616%  | 99.358%   | 97.776%   | 97.197%   | 86.788%   | 88.457%   |
| σ    |          | 2.099%   | n/a      | n/a      | n/a       | n/a       | n/a       | 3.065%    | 2.908%    |
| %RSD |          | 2.564    | 0.742    | 1.739    | 0.816     | 1.906     | 1.256     | 3.532     | 3.287     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 18:33:20 | 99.950   | 98.860   | 100.900  | 99.340    | 100.300   | 83.503%   |           |           |
| 2    | 18:34:02 | 102.900  | 101.400  | 102.700  | 101.900   | 102.400   | 86.728%   |           |           |
| 3    | 18:34:44 | 101.900  | 100.600  | 102.000  | 101.900   | 101.800   | 89.260%   |           |           |
| X    |          | 101.568% | 100.294% | 101.862% | 101.054%  | 101.492%  | 86.497%   |           |           |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | 2.886%    |           |           |
| %RSD |          | 1.470    | 1.311    | 0.863    | 1.468     | 1.055     | 3.336     |           |           |

CCB3 12/29/2012 6:40:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B    | 11B     | 13C     | 23Na    | 25Mg     | 26Mg     |
|------|----------|---------|---------|--------|---------|---------|---------|----------|----------|
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb      | ppb      |
| 1    | 18:41:10 | 87.511% | 0.004   | 7.296  | 9.382   | 0.000   | -40.240 | 4.158    | 5.667    |
| 2    | 18:41:52 | 88.874% | 0.004   | 10.030 | 8.010   | 0.000   | -36.840 | 6.283    | 6.323    |
| 3    | 18:42:34 | 88.482% | -0.031  | 10.200 | 8.464   | 0.000   | -31.350 | 6.463    | 8.168    |
| X    |          | 88.289% | -0.008  | 9.175  | 8.618   | 0.000   | -36.140 | 5.635    | 6.720    |
| σ    |          | 0.701%  | 0.020   | 1.630  | 0.699   | 0.000   | 4.486   | 1.282    | 1.297    |
| %RSD |          | 0.794   | 262.400 | 17.760 | 8.111   | 0.000   | 12.410  | 22.750   | 19.300   |
| Run  | Time     | 27Al    | 28Si    | 37Cl   | 39K     | 43Ca    | 44Ca    | 45Sc     | 47Ti     |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb      | ppb      |
| 1    | 18:41:10 | -3.673  | 23.100  | 0.000  | -1.985  | 39.440  | 8.218   | 84.750%  | -0.026   |
| 2    | 18:41:52 | -3.963  | 21.280  | 0.000  | -0.964  | 23.240  | 15.900  | 85.697%  | 0.156    |
| 3    | 18:42:34 | -3.662  | 20.340  | 0.000  | 2.116   | 7.548   | 22.930  | 85.487%  | -0.026   |
| X    |          | -3.766  | 21.580  | 0.000  | -0.278  | 23.410  | 15.680  | 85.311%  | 0.034    |
| σ    |          | 0.170   | 1.401   | 0.000  | 2.135   | 15.950  | 7.357   | 0.497%   | 0.105    |
| %RSD |          | 4.524   | 6.492   | 0.000  | 767.900 | 68.120  | 46.920  | 0.583    | 304.900  |
| Run  | Time     | 51V     | 52Cr    | 55Mn   | 56Fe    | 57Fe    | 59Co    | 60Ni     | 63Cu     |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb      | ppb      |
| 1    | 18:41:10 | 0.027   | 0.019   | 0.056  | 9.855   | 15.390  | 0.006   | 0.072    | -0.002   |
| 2    | 18:41:52 | -0.009  | 0.003   | 0.040  | 7.094   | 11.210  | 0.002   | 0.091    | 0.173    |
| 3    | 18:42:34 | 0.038   | 0.063   | 0.126  | 5.834   | 13.980  | 0.010   | 0.153    | 0.053    |
| X    |          | 0.019   | 0.028   | 0.074  | 7.594   | 13.520  | 0.006   | 0.106    | 0.075    |
| σ    |          | 0.024   | 0.031   | 0.046  | 2.057   | 2.125   | 0.004   | 0.042    | 0.089    |
| %RSD |          | 131.300 | 110.700 | 61.830 | 27.080  | 15.720  | 62.880  | 39.910   | 119.700  |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn   | 75As    | 78Se    | 82Se    | 83Kr     | 88Sr     |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb      | ppb      |
| 1    | 18:41:10 | 0.066   | 0.512   | 0.540  | -0.309  | -0.404  | -1.259  | 0.000    | 0.052    |
| 2    | 18:41:52 | -0.020  | 0.409   | 0.429  | -0.552  | -0.921  | -1.395  | 0.000    | 0.106    |
| 3    | 18:42:34 | 0.021   | 0.569   | 0.232  | 0.063   | 0.256   | 0.129   | 0.000    | 0.148    |
| X    |          | 0.022   | 0.497   | 0.400  | -0.266  | -0.357  | -0.841  | 0.000    | 0.102    |
| σ    |          | 0.043   | 0.081   | 0.156  | 0.310   | 0.590   | 0.843   | 0.000    | 0.048    |
| %RSD |          | 193.300 | 16.340  | 39.000 | 116.500 | 165.400 | 100.200 | 0.000    | 47.380   |
| Run  | Time     | 89Y     | 95Mo    | 98Mo   | 103Rh   | 107Ag   | 109Ag   | 111Cd    | 114Cd    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb      | ppb      |
| 1    | 18:41:10 | 80.819% | 0.222   | 0.364  | 82.659% | -0.002  | 0.008   | 0.116    | 0.133    |
| 2    | 18:41:52 | 81.786% | 0.308   | 0.256  | 83.219% | 0.012   | 0.013   | -0.015   | -0.047   |
| 3    | 18:42:34 | 82.042% | 0.188   | 0.197  | 83.861% | 0.025   | 0.018   | -0.110   | -0.123   |
| X    |          | 81.549% | 0.239   | 0.272  | 83.246% | 0.012   | 0.013   | -0.003   | -0.012   |
| σ    |          | 0.645%  | 0.062   | 0.085  | 0.602%  | 0.014   | 0.005   | 0.113    | 0.132    |
| %RSD |          | 0.791   | 25.850  | 31.240 | 0.723   | 115.400 | 37.480  | 3815.000 | 1092.000 |
| Run  | Time     | 115In   | 118Sn   | 121Sb  | 123Sb   | 135Ba   | 137Ba   | 159Tb    | 165Ho    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb      | ppb      |
| 1    | 18:41:10 | 84.319% | 0.704   | 0.028  | 0.032   | -0.091  | 0.027   | 84.724%  | 87.048%  |
| 2    | 18:41:52 | 85.086% | 0.897   | 0.032  | 0.012   | -0.092  | 0.040   | 87.712%  | 88.443%  |
| 3    | 18:42:34 | 85.750% | 0.678   | 0.017  | -0.001  | -0.015  | 0.010   | 87.594%  | 89.546%  |
| X    |          | 85.052% | 0.760   | 0.026  | 0.014   | -0.066  | 0.026   | 86.677%  | 88.346%  |
| σ    |          | 0.716%  | 0.120   | 0.008  | 0.017   | 0.044   | 0.015   | 1.692%   | 1.252%   |
| %RSD |          | 0.842   | 15.780  | 30.550 | 115.800 | 66.660  | 59.260  | 1.952    | 1.417    |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb  | 207Pb   | 208Pb   | 209Bi   |          |          |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     |          |          |
| 1    | 18:41:10 | 0.138   | 0.091   | 0.028  | 0.025   | 0.031   | 89.586% |          |          |
| 2    | 18:41:52 | 0.127   | 0.101   | 0.014  | 0.013   | 0.020   | 91.033% |          |          |
| 3    | 18:42:34 | 0.085   | 0.087   | 0.010  | 0.032   | 0.034   | 91.134% |          |          |
| X    |          | 0.117   | 0.093   | 0.018  | 0.023   | 0.028   | 90.584% |          |          |
| σ    |          | 0.028   | 0.007   | 0.009  | 0.010   | 0.008   | 0.866%  |          |          |
| %RSD |          | 23.710  | 7.514   | 53.640 | 41.280  | 26.900  | 0.956   |          |          |

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12/29/2012 6:44:47 PM

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B     | 11B       | 13C        | 23Na       | 25Mg    | 26Mg     |
|------|----------|---------|---------|---------|-----------|------------|------------|---------|----------|
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb     | ppb      |
| 1    | 18:45:28 | 85.735% | -0.031  | 134.600 | 130.600   | 0.000      | 15610.000  | 1.341   | 2.016    |
| 2    | 18:46:10 | 89.886% | 0.139   | 133.800 | 132.600   | 0.000      | 15150.000  | 1.656   | 1.429    |
| 3    | 18:46:51 | 90.951% | 0.003   | 134.700 | 131.700   | 0.000      | 15170.000  | 1.385   | 1.445    |
| X    |          | 88.857% | 0.037   | 134.400 | 131.700   | 0.000      | 15310.000  | 1.461   | 1.630    |
| σ    |          | 2.756%  | 0.090   | 0.535   | 1.013     | 0.000      | 261.800    | 0.170   | 0.335    |
| %RSD |          | 3.102   | 242.300 | 0.399   | 0.769     | 0.000      | 1.709      | 11.660  | 20.540   |
| Run  | Time     | 27Al    | 28Si    | 37Cl    | 39K       | 43Ca       | 44Ca       | 45Sc    | 47Ti     |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb     | ppb      |
| 1    | 18:45:28 | -1.668  | 49.230  | 0.000   | 15020.000 | 303900.000 | 358300.000 | 82.262% | 0.039    |
| 2    | 18:46:10 | -1.808  | 46.290  | 0.000   | 14690.000 | 299900.000 | 349200.000 | 86.364% | -0.087   |
| 3    | 18:46:51 | -1.433  | 47.440  | 0.000   | 14730.000 | 302400.000 | 348900.000 | 87.399% | 0.031    |
| X    |          | -1.636  | 47.650  | 0.000   | 14810.000 | 302100.000 | 352100.000 | 85.342% | -0.006   |
| σ    |          | 0.189   | 1.482   | 0.000   | 177.400   | 2011.000   | 5343.000   | 2.717%  | 0.071    |
| %RSD |          | 11.560  | 3.110   | 0.000   | 1.197     | 0.666      | 1.517      | 3.184   | 1232.000 |
| Run  | Time     | 51V     | 52Cr    | 55Mn    | 56Fe      | 57Fe       | 59Co       | 60Ni    | 63Cu     |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb     | ppb      |
| 1    | 18:45:28 | -0.517  | 13.190  | -0.024  | 27.000    | 427.400    | 0.117      | 0.411   | 0.236    |
| 2    | 18:46:10 | -1.140  | 12.720  | -0.039  | 26.400    | 394.000    | 0.099      | 0.553   | 0.219    |
| 3    | 18:46:51 | -1.242  | 13.030  | -0.014  | 27.020    | 408.700    | 0.152      | 0.178   | 0.200    |
| X    |          | -0.966  | 12.980  | -0.026  | 26.810    | 410.000    | 0.123      | 0.381   | 0.219    |
| σ    |          | 0.393   | 0.239   | 0.012   | 0.353     | 16.770     | 0.027      | 0.190   | 0.018    |
| %RSD |          | 40.640  | 1.843   | 46.930  | 1.315     | 4.089      | 22.250     | 49.820  | 8.227    |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn    | 75As      | 78Se       | 82Se       | 83Kr    | 88Sr     |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb     | ppb      |
| 1    | 18:45:28 | 0.538   | 1.075   | 1.284   | 5.320     | -0.642     | 18.730     | 0.000   | 4061.000 |
| 2    | 18:46:10 | 0.543   | 0.724   | 1.749   | 4.149     | 0.448      | 15.650     | 0.000   | 4889.000 |
| 3    | 18:46:51 | 0.257   | 0.834   | 1.574   | 4.847     | 0.361      | 15.400     | 0.000   | 4814.000 |
| X    |          | 0.446   | 0.877   | 1.536   | 4.772     | 0.055      | 16.590     | 0.000   | 4588.000 |
| σ    |          | 0.164   | 0.180   | 0.234   | 0.590     | 0.606      | 1.854      | 0.000   | 458.300  |
| %RSD |          | 36.710  | 20.490  | 15.260  | 12.350    | 1092.000   | 11.180     | 0.000   | 9.989    |
| Run  | Time     | 89Y     | 95Mo    | 98Mo    | 103Rh     | 107Ag      | 109Ag      | 111Cd   | 114Cd    |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb     | ppb      |
| 1    | 18:45:28 | 85.332% | 281.800 | 285.700 | 82.838%   | 0.016      | 0.013      | 0.473   | -0.001   |
| 2    | 18:46:10 | 88.528% | 287.600 | 292.600 | 86.272%   | 0.011      | 0.012      | 0.319   | 0.225    |
| 3    | 18:46:51 | 90.462% | 288.500 | 287.700 | 88.135%   | 0.011      | -0.002     | 0.265   | 0.165    |
| X    |          | 88.108% | 286.000 | 288.700 | 85.749%   | 0.013      | 0.007      | 0.352   | 0.130    |
| σ    |          | 2.591%  | 3.648   | 3.538   | 2.687%    | 0.003      | 0.008      | 0.108   | 0.117    |
| %RSD |          | 2.940   | 1.276   | 1.225   | 3.134     | 24.730     | 114.500    | 30.580  | 90.300   |
| Run  | Time     | 115In   | 118Sn   | 121Sb   | 123Sb     | 135Ba      | 137Ba      | 159Tb   | 165Ho    |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        | ppb     | ppb      |
| 1    | 18:45:28 | 87.525% | 3.927   | 0.011   | -0.008    | 264.200    | 268.100    | 93.588% | 94.008%  |
| 2    | 18:46:10 | 90.460% | 3.208   | 0.024   | 0.021     | 270.900    | 275.100    | 96.640% | 97.953%  |
| 3    | 18:46:51 | 92.578% | 3.418   | 0.014   | 0.008     | 273.800    | 266.800    | 97.787% | 100.367% |
| X    |          | 90.187% | 3.518   | 0.016   | 0.007     | 269.600    | 270.000    | 96.005% | 97.443%  |
| σ    |          | 2.537%  | 0.370   | 0.007   | 0.015     | 4.928      | 4.469      | 2.170%  | 3.210%   |
| %RSD |          | 2.813   | 10.510  | 41.620  | 205.800   | 1.828      | 1.655      | 2.261   | 3.294    |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb   | 207Pb     | 208Pb      | 209Bi      |         |          |
|      |          | ppb     | ppb     | ppb     | ppb       | ppb        | ppb        |         |          |
| 1    | 18:45:28 | 0.334   | 0.294   | 2.358   | 2.257     | 2.240      | 94.023%    |         |          |
| 2    | 18:46:10 | 0.338   | 0.322   | 2.395   | 2.268     | 2.316      | 94.772%    |         |          |
| 3    | 18:46:51 | 0.299   | 0.302   | 2.223   | 2.187     | 2.286      | 96.988%    |         |          |
| X    |          | 0.324   | 0.306   | 2.325   | 2.237     | 2.281      | 95.261%    |         |          |
| σ    |          | 0.022   | 0.014   | 0.090   | 0.044     | 0.038      | 1.542%     |         |          |
| %RSD |          | 6.677   | 4.623   | 3.885   | 1.960     | 1.665      | 1.618      |         |          |



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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be    | 10B     | 11B      | 13C     | 23Na      | 25Mg    | 26Mg     |
|------|----------|---------|--------|---------|----------|---------|-----------|---------|----------|
|      |          | ppb     | ppb    | ppb     | ppb      | ppb     | ppb       | ppb     | ppb      |
| 1    | 18:49:45 | 81.498% | -0.031 | 7.802   | 7.596    | 0.000   | -31.720   | -1.414  | -0.296   |
| 2    | 18:50:26 | 81.969% | -0.031 | 8.585   | 7.253    | 0.000   | -35.470   | -1.899  | -1.483   |
| 3    | 18:51:08 | 81.393% | -0.031 | 7.164   | 7.136    | 0.000   | -33.390   | -2.302  | -1.827   |
| X    |          | 81.620% | -0.031 | 7.850   | 7.328    | 0.000   | -33.520   | -1.872  | -1.202   |
| σ    |          | 0.307%  | 0.000  | 0.712   | 0.239    | 0.000   | 1.882     | 0.444   | 0.803    |
| %RSD |          | 0.376   | 0.000  | 9.066   | 3.264    | 0.000   | 5.613     | 23.740  | 66.820   |
| Run  | Time     | 27Al    | 28Si   | 37Cl    | 39K      | 43Ca    | 44Ca      | 45Sc    | 47Ti     |
|      |          | ppb     | ppb    | ppb     | ppb      | ppb     | ppb       | ppb     | ppb      |
| 1    | 18:49:45 | -4.504  | 36.560 | 0.000   | 8.065    | 108.200 | 94.890    | 76.646% | 0.116    |
| 2    | 18:50:26 | -4.846  | 34.950 | 0.000   | 4.634    | 44.560  | 66.800    | 75.433% | -0.087   |
| 3    | 18:51:08 | -4.822  | 34.510 | 0.000   | 8.549    | 93.810  | 66.780    | 74.043% | -0.017   |
| X    |          | -4.724  | 35.340 | 0.000   | 7.083    | 82.200  | 76.160    | 75.374% | 0.004    |
| σ    |          | 0.191   | 1.079  | 0.000   | 2.135    | 33.390  | 16.220    | 1.302%  | 0.103    |
| %RSD |          | 4.041   | 3.054  | 0.000   | 30.140   | 40.610  | 21.300    | 1.728   | 2800.000 |
| Run  | Time     | 51V     | 52Cr   | 55Mn    | 56Fe     | 57Fe    | 59Co      | 60Ni    | 63Cu     |
|      |          | ppb     | ppb    | ppb     | ppb      | ppb     | ppb       | ppb     | ppb      |
| 1    | 18:49:45 | -0.567  | 0.324  | -0.041  | 8.007    | 4.111   | -0.012    | 0.126   | 0.035    |
| 2    | 18:50:26 | -1.675  | 0.323  | -0.034  | 5.867    | 2.971   | -0.007    | 0.061   | 0.075    |
| 3    | 18:51:08 | -0.630  | 0.262  | -0.049  | 4.611    | 2.974   | -0.033    | 0.040   | 0.015    |
| X    |          | -0.957  | 0.303  | -0.042  | 6.162    | 3.352   | -0.017    | 0.075   | 0.042    |
| σ    |          | 0.623   | 0.035  | 0.008   | 1.717    | 0.657   | 0.014     | 0.045   | 0.030    |
| %RSD |          | 65.030  | 11.690 | 18.370  | 27.860   | 19.600  | 80.350    | 59.160  | 72.680   |
| Run  | Time     | 65Cu    | 66Zn   | 68Zn    | 75As     | 78Se    | 82Se      | 83Kr    | 88Sr     |
|      |          | ppb     | ppb    | ppb     | ppb      | ppb     | ppb       | ppb     | ppb      |
| 1    | 18:49:45 | 0.467   | 0.206  | 0.141   | 0.581    | -0.877  | 0.867     | 0.000   | 0.859    |
| 2    | 18:50:26 | 0.118   | 0.418  | 0.402   | -1.861   | -1.456  | -1.955    | 0.000   | 0.693    |
| 3    | 18:51:08 | 0.056   | 0.151  | 0.341   | 0.968    | -1.040  | 1.127     | 0.000   | 0.599    |
| X    |          | 0.214   | 0.258  | 0.295   | -0.104   | -1.124  | 0.013     | 0.000   | 0.717    |
| σ    |          | 0.222   | 0.141  | 0.137   | 1.534    | 0.298   | 1.709     | 0.000   | 0.132    |
| %RSD |          | 103.700 | 54.630 | 46.410  | 1477.000 | 26.540  | 13050.000 | 0.000   | 18.360   |
| Run  | Time     | 89Y     | 95Mo   | 98Mo    | 103Rh    | 107Ag   | 109Ag     | 111Cd   | 114Cd    |
|      |          | ppb     | ppb    | ppb     | ppb      | ppb     | ppb       | ppb     | ppb      |
| 1    | 18:49:45 | 79.244% | 2.301  | 2.247   | 79.932%  | 0.008   | 0.008     | -0.110  | -0.056   |
| 2    | 18:50:26 | 77.883% | 1.313  | 1.205   | 78.938%  | 0.003   | 0.009     | 0.026   | -0.003   |
| 3    | 18:51:08 | 77.194% | 0.983  | 0.806   | 78.110%  | 0.003   | 0.003     | 0.033   | -0.033   |
| X    |          | 78.107% | 1.532  | 1.419   | 78.993%  | 0.005   | 0.007     | -0.017  | -0.031   |
| σ    |          | 1.043%  | 0.686  | 0.744   | 0.912%   | 0.003   | 0.003     | 0.080   | 0.027    |
| %RSD |          | 1.336   | 44.750 | 52.430  | 1.155    | 56.050  | 42.540    | 476.900 | 87.170   |
| Run  | Time     | 115In   | 118Sn  | 121Sb   | 123Sb    | 135Ba   | 137Ba     | 159Tb   | 165Ho    |
|      |          | ppb     | ppb    | ppb     | ppb      | ppb     | ppb       | ppb     | ppb      |
| 1    | 18:49:45 | 81.801% | 3.138  | 0.003   | 0.033    | 0.041   | 0.120     | 86.698% | 86.487%  |
| 2    | 18:50:26 | 81.046% | 2.853  | 0.024   | 0.014    | -0.037  | -0.034    | 85.452% | 86.319%  |
| 3    | 18:51:08 | 80.944% | 2.502  | -0.012  | -0.013   | -0.117  | -0.018    | 85.628% | 85.841%  |
| X    |          | 81.264% | 2.831  | 0.005   | 0.012    | -0.038  | 0.023     | 85.926% | 86.216%  |
| σ    |          | 0.468%  | 0.318  | 0.018   | 0.023    | 0.079   | 0.085     | 0.675%  | 0.335%   |
| %RSD |          | 0.576   | 11.240 | 360.500 | 199.300  | 207.600 | 374.900   | 0.785   | 0.389    |
| Run  | Time     | 203Tl   | 205Tl  | 206Pb   | 207Pb    | 208Pb   | 209Bi     |         |          |
|      |          | ppb     | ppb    | ppb     | ppb      | ppb     | ppb       |         |          |
| 1    | 18:49:45 | 0.069   | 0.082  | 0.015   | 0.002    | 0.012   | 87.913%   |         |          |
| 2    | 18:50:26 | 0.061   | 0.073  | -0.002  | 0.007    | 0.014   | 87.105%   |         |          |
| 3    | 18:51:08 | 0.036   | 0.055  | 0.002   | 0.015    | 0.010   | 86.876%   |         |          |
| X    |          | 0.056   | 0.070  | 0.005   | 0.008    | 0.012   | 87.298%   |         |          |
| σ    |          | 0.018   | 0.014  | 0.009   | 0.006    | 0.002   | 0.545%    |         |          |
| %RSD |          | 31.570  | 19.700 | 179.000 | 79.110   | 14.510  | 0.624     |         |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B     | 11B     | 13C     | 23Na     | 25Mg     | 26Mg     |
|------|----------|---------|---------|---------|---------|---------|----------|----------|----------|
|      |          | ppb     | ppb     | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 18:57:32 | 79.506% | -0.031  | 5.006   | 4.577   | 0.000   | -33.970  | -2.017   | -1.501   |
| 2    | 18:58:14 | 81.043% | -0.031  | 3.241   | 4.609   | 0.000   | -31.170  | -1.608   | -0.750   |
| 3    | 18:58:56 | 79.130% | -0.031  | 4.879   | 4.087   | 0.000   | -21.510  | 0.643    | 0.416    |
| X    |          | 79.893% | -0.031  | 4.375   | 4.425   | 0.000   | -28.880  | -0.994   | -0.612   |
| σ    |          | 1.013%  | 0.000   | 0.984   | 0.293   | 0.000   | 6.536    | 1.433    | 0.966    |
| %RSD |          | 1.269   | 0.000   | 22.500  | 6.613   | 0.000   | 22.630   | 144.100  | 157.900  |
| Run  | Time     | 27Al    | 28Si    | 37Cl    | 39K     | 43Ca    | 44Ca     | 45Sc     | 47Ti     |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 18:57:32 | -5.052  | 15.010  | 0.000   | 3.143   | 9.844   | -2.434   | 69.841%  | -0.013   |
| 2    | 18:58:14 | -4.810  | 12.570  | 0.000   | 3.058   | 9.616   | 3.489    | 71.105%  | 0.132    |
| 3    | 18:58:56 | -4.237  | 14.140  | 0.000   | 4.052   | 9.625   | 17.540   | 71.131%  | -0.087   |
| X    |          | -4.700  | 13.900  | 0.000   | 3.418   | 9.695   | 6.198    | 70.692%  | 0.010    |
| σ    |          | 0.418   | 1.234   | 0.000   | 0.551   | 0.129   | 10.260   | 0.737%   | 0.111    |
| %RSD |          | 8.903   | 8.877   | 0.000   | 16.110  | 1.332   | 165.500  | 1.043    | 1071.000 |
| Run  | Time     | 51V     | 52Cr    | 55Mn    | 56Fe    | 57Fe    | 59Co     | 60Ni     | 63Cu     |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 18:57:32 | -0.944  | 0.217   | -0.050  | 2.404   | 3.876   | -0.023   | 0.071    | 0.065    |
| 2    | 18:58:14 | -0.449  | 0.163   | -0.020  | 2.024   | 2.317   | -0.014   | 0.093    | 0.069    |
| 3    | 18:58:56 | -0.819  | 0.120   | 0.037   | 2.760   | 4.466   | -0.019   | 0.045    | -0.059   |
| X    |          | -0.737  | 0.167   | -0.011  | 2.396   | 3.553   | -0.019   | 0.069    | 0.025    |
| σ    |          | 0.258   | 0.049   | 0.044   | 0.368   | 1.110   | 0.004    | 0.024    | 0.073    |
| %RSD |          | 34.970  | 29.260  | 398.300 | 15.350  | 31.260  | 23.650   | 34.830   | 293.700  |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn    | 75As    | 78Se    | 82Se     | 83Kr     | 88Sr     |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 18:57:32 | -0.020  | -0.160  | -0.033  | 0.739   | 0.265   | 2.618    | 0.000    | -0.025   |
| 2    | 18:58:14 | 0.096   | -0.138  | 0.037   | -0.610  | -1.010  | -1.689   | 0.000    | 0.058    |
| 3    | 18:58:56 | -0.001  | -0.006  | 0.036   | -1.160  | -1.292  | -2.520   | 0.000    | 0.212    |
| X    |          | 0.025   | -0.101  | 0.013   | -0.344  | -0.679  | -0.530   | 0.000    | 0.082    |
| σ    |          | 0.062   | 0.083   | 0.040   | 0.977   | 0.830   | 2.758    | 0.000    | 0.120    |
| %RSD |          | 245.200 | 82.150  | 301.200 | 284.200 | 122.200 | 520.500  | 0.000    | 146.600  |
| Run  | Time     | 89Y     | 95Mo    | 98Mo    | 103Rh   | 107Ag   | 109Ag    | 111Cd    | 114Cd    |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 18:57:32 | 72.100% | 0.054   | 0.090   | 72.358% | -0.001  | 0.004    | -0.105   | -0.180   |
| 2    | 18:58:14 | 72.959% | 0.004   | 0.057   | 73.808% | -0.006  | -0.007   | 0.101    | 0.084    |
| 3    | 18:58:56 | 73.363% | 0.149   | 0.011   | 74.053% | 0.004   | -0.001   | 0.027    | -0.066   |
| X    |          | 72.807% | 0.069   | 0.053   | 73.407% | -0.001  | -0.001   | 0.007    | -0.054   |
| σ    |          | 0.645%  | 0.073   | 0.040   | 0.916%  | 0.005   | 0.006    | 0.104    | 0.132    |
| %RSD |          | 0.886   | 106.400 | 75.540  | 1.248   | 393.800 | 406.300  | 1392.000 | 244.800  |
| Run  | Time     | 115In   | 118Sn   | 121Sb   | 123Sb   | 135Ba   | 137Ba    | 159Tb    | 165Ho    |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb     | ppb      | ppb      | ppb      |
| 1    | 18:57:32 | 75.700% | 2.846   | -0.000  | -0.026  | -0.117  | -0.032   | 79.406%  | 80.399%  |
| 2    | 18:58:14 | 77.352% | 2.665   | -0.006  | 0.009   | -0.034  | -0.016   | 81.527%  | 82.491%  |
| 3    | 18:58:56 | 76.742% | 3.159   | 0.010   | -0.012  | -0.089  | 0.049    | 82.301%  | 83.231%  |
| X    |          | 76.598% | 2.890   | 0.001   | -0.009  | -0.080  | 0.001    | 81.078%  | 82.041%  |
| σ    |          | 0.835%  | 0.250   | 0.008   | 0.018   | 0.043   | 0.043    | 1.499%   | 1.469%   |
| %RSD |          | 1.090   | 8.655   | 668.100 | 188.800 | 53.220  | 7732.000 | 1.848    | 1.790    |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb   | 207Pb   | 208Pb   | 209Bi    |          |          |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb     | ppb      |          |          |
| 1    | 18:57:32 | 0.041   | 0.038   | -0.012  | -0.009  | -0.003  | 83.723%  |          |          |
| 2    | 18:58:14 | 0.038   | 0.051   | 0.010   | -0.013  | 0.002   | 83.982%  |          |          |
| 3    | 18:58:56 | 0.017   | 0.034   | 0.010   | -0.000  | 0.002   | 83.232%  |          |          |
| X    |          | 0.032   | 0.041   | 0.003   | -0.007  | 0.000   | 83.646%  |          |          |
| σ    |          | 0.013   | 0.009   | 0.013   | 0.006   | 0.003   | 0.381%   |          |          |
| %RSD |          | 40.470  | 22.450  | 447.600 | 88.580  | 884.400 | 0.455    |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:01:47 | 102.282% | 50.120   | 998.400  | 940.300   | 0.000     | 44730.000 | 39320.000 | 39620.000 |
| 2    | 19:02:29 | 107.945% | 50.170   | 997.300  | 950.500   | 0.000     | 44110.000 | 39540.000 | 39830.000 |
| 3    | 19:03:10 | 114.605% | 48.910   | 983.900  | 915.300   | 0.000     | 42900.000 | 38990.000 | 39500.000 |
| X    |          | 108.277% | 49.730   | 993.200  | 935.400   | 0.000     | 43910.000 | 39290.000 | 39650.000 |
| σ    |          | 6.168%   | 0.716    | 8.094    | 18.140    | 0.000     | 929.600   | 277.400   | 164.600   |
| %RSD |          | 5.696    | 1.439    | 0.815    | 1.939     | 0.000     | 2.117     | 0.706     | 0.415     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:01:47 | 1693.000 | 8761.000 | 0.000    | 46410.000 | 47660.000 | 47060.000 | 76.645%   | 943.700   |
| 2    | 19:02:29 | 1699.000 | 8772.000 | 0.000    | 45720.000 | 46830.000 | 47190.000 | 80.479%   | 940.000   |
| 3    | 19:03:10 | 1675.000 | 8620.000 | 0.000    | 45180.000 | 46700.000 | 47100.000 | 81.955%   | 933.200   |
| X    |          | 1689.000 | 8718.000 | 0.000    | 45770.000 | 47060.000 | 47120.000 | 79.693%   | 938.900   |
| σ    |          | 12.440   | 84.760   | 0.000    | 620.400   | 521.400   | 65.490    | 2.741%    | 5.336     |
| %RSD |          | 0.736    | 0.972    | 0.000    | 1.355     | 1.108     | 0.139     | 3.439     | 0.568     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:01:47 | 455.000  | 190.900  | 469.600  | 760.600   | 1022.000  | 462.900   | 451.600   | 221.300   |
| 2    | 19:02:29 | 456.100  | 192.200  | 468.900  | 756.600   | 1009.000  | 459.800   | 454.800   | 223.700   |
| 3    | 19:03:10 | 454.600  | 190.100  | 471.400  | 762.400   | 1008.000  | 461.100   | 454.600   | 224.300   |
| X    |          | 455.200  | 191.000  | 470.000  | 759.900   | 1013.000  | 461.300   | 453.700   | 223.100   |
| σ    |          | 0.822    | 1.063    | 1.296    | 2.988     | 7.491     | 1.556     | 1.799     | 1.581     |
| %RSD |          | 0.181    | 0.556    | 0.276    | 0.393     | 0.740     | 0.337     | 0.397     | 0.709     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:01:47 | 221.000  | 469.100  | 480.200  | 37.450    | 6.598     | 9.674     | 0.000     | 931.600   |
| 2    | 19:02:29 | 222.400  | 472.400  | 476.600  | 35.710    | 6.998     | 8.527     | 0.000     | 924.600   |
| 3    | 19:03:10 | 221.700  | 474.900  | 478.300  | 31.920    | 8.039     | 7.962     | 0.000     | 932.100   |
| X    |          | 221.700  | 472.100  | 478.400  | 35.030    | 7.211     | 8.721     | 0.000     | 929.400   |
| σ    |          | 0.697    | 2.940    | 1.805    | 2.827     | 0.744     | 0.872     | 0.000     | 4.207     |
| %RSD |          | 0.314    | 0.623    | 0.377    | 8.071     | 10.320    | 10.000    | 0.000     | 0.453     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:01:47 | 76.865%  | 987.000  | 997.100  | 74.468%   | 47.250    | 46.540    | 49.890    | 39.180    |
| 2    | 19:02:29 | 81.309%  | 988.200  | 993.900  | 78.859%   | 47.300    | 46.540    | 48.420    | 37.670    |
| 3    | 19:03:10 | 83.383%  | 997.200  | 1009.000 | 80.566%   | 47.770    | 47.350    | 48.690    | 39.250    |
| X    |          | 80.519%  | 990.800  | 999.900  | 77.964%   | 47.440    | 46.810    | 49.000    | 38.700    |
| σ    |          | 3.330%   | 5.620    | 7.864    | 3.146%    | 0.286     | 0.468     | 0.782     | 0.890     |
| %RSD |          | 4.136    | 0.567    | 0.787    | 4.035     | 0.603     | 1.000     | 1.595     | 2.300     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:01:47 | 79.898%  | 1985.000 | 486.300  | 486.800   | 1840.000  | 1801.000  | 86.907%   | 89.069%   |
| 2    | 19:02:29 | 85.751%  | 1955.000 | 481.400  | 482.200   | 1841.000  | 1825.000  | 91.477%   | 93.179%   |
| 3    | 19:03:10 | 87.862%  | 1969.000 | 486.600  | 489.300   | 1831.000  | 1827.000  | 94.399%   | 96.006%   |
| X    |          | 84.504%  | 1970.000 | 484.800  | 486.100   | 1837.000  | 1818.000  | 90.928%   | 92.751%   |
| σ    |          | 4.126%   | 14.940   | 2.890    | 3.628     | 5.440     | 14.150    | 3.776%    | 3.488%    |
| %RSD |          | 4.883    | 0.758    | 0.596    | 0.746     | 0.296     | 0.778     | 4.153     | 3.761     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 19:01:47 | 44.800   | 44.300   | 19.000   | 19.400    | 19.180    | 89.120%   |           |           |
| 2    | 19:02:29 | 46.010   | 45.110   | 18.710   | 18.420    | 18.700    | 94.659%   |           |           |
| 3    | 19:03:10 | 46.060   | 45.740   | 19.360   | 19.140    | 19.280    | 96.274%   |           |           |
| X    |          | 45.630   | 45.050   | 19.020   | 18.990    | 19.050    | 93.351%   |           |           |
| σ    |          | 0.712    | 0.724    | 0.324    | 0.504     | 0.314     | 3.752%    |           |           |
| %RSD |          | 1.560    | 1.607    | 1.703    | 2.654     | 1.646     | 4.019     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B    | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|--------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:06:02 | 102.080% | -0.031   | 70.370 | 66.750    | 0.000     | 57550.000 | 21400.000 | 21500.000 |
| 2    | 19:06:44 | 102.442% | -0.000   | 59.060 | 64.610    | 0.000     | 56870.000 | 21330.000 | 21410.000 |
| 3    | 19:07:25 | 102.439% | -0.000   | 64.280 | 63.400    | 0.000     | 56840.000 | 21420.000 | 21470.000 |
| X    |          | 102.320% | -0.010   | 64.570 | 64.920    | 0.000     | 57090.000 | 21380.000 | 21460.000 |
| σ    |          | 0.208%   | 0.018    | 5.662  | 1.696     | 0.000     | 401.600   | 50.630    | 47.230    |
| %RSD |          | 0.203    | 170.500  | 8.769  | 2.612     | 0.000     | 0.704     | 0.237     | 0.220     |
| Run  | Time     | 27Al     | 28Si     | 37Cl   | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:06:02 | 104.700  | 7066.000 | 0.000  | 9653.000  | 24800.000 | 25410.000 | 74.987%   | 8.284     |
| 2    | 19:06:44 | 103.700  | 7064.000 | 0.000  | 9498.000  | 25790.000 | 25560.000 | 75.598%   | 6.983     |
| 3    | 19:07:25 | 106.900  | 7087.000 | 0.000  | 9537.000  | 25420.000 | 25400.000 | 75.724%   | 8.136     |
| X    |          | 105.100  | 7072.000 | 0.000  | 9563.000  | 25330.000 | 25450.000 | 75.436%   | 7.801     |
| σ    |          | 1.632    | 12.400   | 0.000  | 80.830    | 498.300   | 90.000    | 0.394%    | 0.713     |
| %RSD |          | 1.553    | 0.175    | 0.000  | 0.845     | 1.967     | 0.354     | 0.522     | 9.134     |
| Run  | Time     | 51V      | 52Cr     | 55Mn   | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:06:02 | -4.369   | 1.342    | 76.950 | 14560.000 | 14650.000 | 0.188     | 1.519     | 2.210     |
| 2    | 19:06:44 | -3.317   | 1.156    | 77.210 | 14400.000 | 14760.000 | 0.152     | 1.521     | 1.865     |
| 3    | 19:07:25 | -3.797   | 1.354    | 77.970 | 14340.000 | 14730.000 | 0.238     | 1.679     | 2.179     |
| X    |          | -3.828   | 1.284    | 77.380 | 14430.000 | 14710.000 | 0.193     | 1.573     | 2.085     |
| σ    |          | 0.527    | 0.111    | 0.534  | 115.200   | 60.500    | 0.043     | 0.092     | 0.191     |
| %RSD |          | 13.760   | 8.673    | 0.690  | 0.798     | 0.411     | 22.300    | 5.848     | 9.166     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn   | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:06:02 | 1.947    | 7.141    | 7.108  | 7.668     | -1.549    | 0.182     | 0.000     | 256.100   |
| 2    | 19:06:44 | 1.979    | 6.642    | 7.100  | 7.120     | -1.818    | -2.223    | 0.000     | 260.900   |
| 3    | 19:07:25 | 1.817    | 6.454    | 7.184  | 7.722     | -1.949    | -1.128    | 0.000     | 262.000   |
| X    |          | 1.914    | 6.746    | 7.131  | 7.503     | -1.772    | -1.056    | 0.000     | 259.700   |
| σ    |          | 0.086    | 0.355    | 0.046  | 0.333     | 0.204     | 1.204     | 0.000     | 3.123     |
| %RSD |          | 4.485    | 5.262    | 0.650  | 4.435     | 11.490    | 114.000   | 0.000     | 1.203     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo   | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:06:02 | 76.689%  | 4.309    | 4.457  | 74.279%   | 0.004     | 0.004     | -0.005    | -0.025    |
| 2    | 19:06:44 | 76.980%  | 2.437    | 2.506  | 75.568%   | 0.018     | 0.004     | -0.117    | -0.337    |
| 3    | 19:07:25 | 77.091%  | 2.038    | 1.705  | 75.877%   | 0.028     | -0.002    | 0.005     | -0.128    |
| X    |          | 76.920%  | 2.928    | 2.890  | 75.241%   | 0.017     | 0.002     | -0.039    | -0.163    |
| σ    |          | 0.208%   | 1.213    | 1.415  | 0.848%    | 0.012     | 0.003     | 0.067     | 0.159     |
| %RSD |          | 0.270    | 41.410   | 48.980 | 1.127     | 74.120    | 162.600   | 172.100   | 97.440    |
| Run  | Time     | 115In    | 118Sn    | 121Sb  | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:06:02 | 80.727%  | 27.460   | 0.289  | 0.274     | 48.270    | 47.370    | 88.221%   | 89.282%   |
| 2    | 19:06:44 | 82.078%  | 21.960   | 0.248  | 0.164     | 48.700    | 47.900    | 89.093%   | 91.724%   |
| 3    | 19:07:25 | 81.217%  | 21.040   | 0.225  | 0.265     | 48.330    | 49.670    | 89.816%   | 92.008%   |
| X    |          | 81.341%  | 23.480   | 0.254  | 0.234     | 48.430    | 48.310    | 89.043%   | 91.005%   |
| σ    |          | 0.684%   | 3.472    | 0.032  | 0.061     | 0.235     | 1.208     | 0.798%    | 1.498%    |
| %RSD |          | 0.840    | 14.780   | 12.780 | 25.990    | 0.485     | 2.500     | 0.897     | 1.647     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb  | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb       | ppb       |           |           |
| 1    | 19:06:02 | 0.831    | 0.773    | 0.693  | 0.598     | 0.655     | 87.667%   |           |           |
| 2    | 19:06:44 | 0.558    | 0.607    | 0.659  | 0.640     | 0.630     | 89.320%   |           |           |
| 3    | 19:07:25 | 0.401    | 0.468    | 0.665  | 0.642     | 0.635     | 90.754%   |           |           |
| X    |          | 0.597    | 0.616    | 0.672  | 0.627     | 0.640     | 89.247%   |           |           |
| σ    |          | 0.217    | 0.153    | 0.018  | 0.025     | 0.013     | 1.545%    |           |           |
| %RSD |          | 36.440   | 24.770   | 2.696  | 3.969     | 2.107     | 1.731     |           |           |



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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:10:18 | 96.447%  | -0.031   | 68.870  | 67.090    | 0.000     | 70580.000 | 18890.000 | 18900.000 |
| 2    | 19:10:59 | 100.071% | -0.031   | 65.240  | 65.870    | 0.000     | 68990.000 | 18650.000 | 18720.000 |
| 3    | 19:11:41 | 100.995% | -0.031   | 67.190  | 63.540    | 0.000     | 68480.000 | 18650.000 | 18660.000 |
| X    |          | 99.171%  | -0.031   | 67.100  | 65.500    | 0.000     | 69350.000 | 18730.000 | 18760.000 |
| σ    |          | 2.404%   | 0.000    | 1.819   | 1.800     | 0.000     | 1097.000  | 140.400   | 123.200   |
| %RSD |          | 2.424    | 0.000    | 2.712   | 2.748     | 0.000     | 1.582     | 0.750     | 0.657     |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:10:18 | 144.200  | 6527.000 | 0.000   | 4185.000  | 35560.000 | 35530.000 | 75.521%   | 10.560    |
| 2    | 19:10:59 | 146.800  | 6451.000 | 0.000   | 4160.000  | 36660.000 | 35680.000 | 77.084%   | 9.938     |
| 3    | 19:11:41 | 141.200  | 6428.000 | 0.000   | 4160.000  | 35980.000 | 35530.000 | 77.011%   | 8.803     |
| X    |          | 144.100  | 6469.000 | 0.000   | 4168.000  | 36070.000 | 35580.000 | 76.539%   | 9.768     |
| σ    |          | 2.814    | 52.080   | 0.000   | 14.590    | 552.400   | 84.400    | 0.882%    | 0.892     |
| %RSD |          | 1.953    | 0.805    | 0.000   | 0.350     | 1.532     | 0.237     | 1.153     | 9.128     |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:10:18 | -2.239   | 0.927    | 373.100 | 52870.000 | 53950.000 | 0.561     | 1.590     | 3.917     |
| 2    | 19:10:59 | -2.555   | 0.853    | 374.600 | 51780.000 | 53860.000 | 0.342     | 1.402     | 3.675     |
| 3    | 19:11:41 | -2.305   | 1.093    | 375.000 | 51850.000 | 54280.000 | 0.367     | 1.920     | 3.939     |
| X    |          | -2.367   | 0.958    | 374.200 | 52170.000 | 54030.000 | 0.423     | 1.638     | 3.844     |
| σ    |          | 0.167    | 0.123    | 1.008   | 608.000   | 219.100   | 0.120     | 0.262     | 0.146     |
| %RSD |          | 7.046    | 12.830   | 0.269   | 1.165     | 0.405     | 28.370    | 16.000    | 3.802     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:10:18 | 4.608    | 8.076    | 8.442   | 17.590    | -0.925    | 0.174     | 0.000     | 373.400   |
| 2    | 19:10:59 | 3.561    | 8.335    | 9.090   | 15.680    | 0.110     | -1.384    | 0.000     | 372.500   |
| 3    | 19:11:41 | 3.699    | 7.659    | 8.777   | 15.680    | -0.755    | -0.700    | 0.000     | 377.400   |
| X    |          | 3.956    | 8.023    | 8.770   | 16.310    | -0.523    | -0.637    | 0.000     | 374.400   |
| σ    |          | 0.569    | 0.341    | 0.324   | 1.103     | 0.555     | 0.781     | 0.000     | 2.631     |
| %RSD |          | 14.380   | 4.247    | 3.698   | 6.761     | 106.000   | 122.600   | 0.000     | 0.703     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:10:18 | 77.080%  | 0.792    | 0.899   | 75.624%   | 0.004     | -0.002    | 0.053     | 0.048     |
| 2    | 19:10:59 | 79.372%  | 0.624    | 0.799   | 77.686%   | 0.008     | -0.002    | 0.088     | -0.155    |
| 3    | 19:11:41 | 79.197%  | 0.514    | 0.762   | 78.160%   | 0.003     | 0.003     | -0.008    | -0.075    |
| X    |          | 78.550%  | 0.643    | 0.820   | 77.157%   | 0.005     | -0.000    | 0.044     | -0.061    |
| σ    |          | 1.276%   | 0.140    | 0.071   | 1.348%    | 0.003     | 0.003     | 0.048     | 0.102     |
| %RSD |          | 1.624    | 21.750   | 8.638   | 1.747     | 56.070    | 7384.000  | 109.000   | 168.600   |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:10:18 | 79.632%  | 14.290   | 0.504   | 0.473     | 76.210    | 77.740    | 87.693%   | 89.118%   |
| 2    | 19:10:59 | 82.668%  | 14.720   | 0.449   | 0.390     | 76.970    | 77.590    | 90.205%   | 91.431%   |
| 3    | 19:11:41 | 84.545%  | 12.250   | 0.474   | 0.400     | 76.370    | 76.570    | 91.885%   | 92.688%   |
| X    |          | 82.282%  | 13.750   | 0.476   | 0.421     | 76.520    | 77.300    | 89.928%   | 91.079%   |
| σ    |          | 2.479%   | 1.323    | 0.027   | 0.045     | 0.398     | 0.636     | 2.110%    | 1.811%    |
| %RSD |          | 3.013    | 9.617    | 5.714   | 10.740    | 0.521     | 0.823     | 2.346     | 1.988     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 19:10:18 | 0.240    | 0.235    | 4.051   | 3.945     | 3.974     | 86.606%   |           |           |
| 2    | 19:10:59 | 0.172    | 0.228    | 4.018   | 4.138     | 4.000     | 90.129%   |           |           |
| 3    | 19:11:41 | 0.208    | 0.196    | 3.833   | 3.851     | 3.945     | 91.181%   |           |           |
| X    |          | 0.206    | 0.219    | 3.967   | 3.978     | 3.973     | 89.306%   |           |           |
| σ    |          | 0.034    | 0.021    | 0.117   | 0.146     | 0.027     | 2.396%    |           |           |
| %RSD |          | 16.440   | 9.490    | 2.959   | 3.681     | 0.692     | 2.683     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B      | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|---------|----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:14:33 | 100.660% | -0.031   | 65.760  | 67.430   | 0.000     | 88240.000 | 23440.000 | 23470.000 |
| 2    | 19:15:15 | 102.332% | -0.000   | 68.820  | 66.160   | 0.000     | 87870.000 | 23630.000 | 23730.000 |
| 3    | 19:15:56 | 104.209% | 0.029    | 68.200  | 66.980   | 0.000     | 87290.000 | 23490.000 | 23520.000 |
| X    |          | 102.401% | -0.001   | 67.590  | 66.860   | 0.000     | 87800.000 | 23520.000 | 23580.000 |
| σ    |          | 1.775%   | 0.030    | 1.620   | 0.646    | 0.000     | 481.300   | 97.740    | 137.100   |
| %RSD |          | 1.734    | 5603.000 | 2.397   | 0.966    | 0.000     | 0.548     | 0.416     | 0.582     |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K      | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:14:33 | 69.030   | 5304.000 | 0.000   | 4823.000 | 40960.000 | 40460.000 | 74.531%   | 3.530     |
| 2    | 19:15:15 | 69.700   | 5319.000 | 0.000   | 4850.000 | 40230.000 | 40670.000 | 76.387%   | 4.663     |
| 3    | 19:15:56 | 70.860   | 5319.000 | 0.000   | 4855.000 | 41650.000 | 40530.000 | 77.944%   | 5.103     |
| X    |          | 69.860   | 5314.000 | 0.000   | 4843.000 | 40950.000 | 40550.000 | 76.287%   | 4.432     |
| σ    |          | 0.926    | 8.299    | 0.000   | 16.890   | 708.500   | 106.500   | 1.709%    | 0.812     |
| %RSD |          | 1.325    | 0.156    | 0.000   | 0.349    | 1.730     | 0.263     | 2.240     | 18.310    |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe     | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:14:33 | -1.917   | 0.982    | 858.900 | 5926.000 | 6177.000  | 0.236     | 1.283     | 3.483     |
| 2    | 19:15:15 | -2.646   | 1.260    | 862.300 | 5867.000 | 6164.000  | 0.377     | 1.069     | 3.210     |
| 3    | 19:15:56 | -3.619   | 1.253    | 864.500 | 5858.000 | 6179.000  | 0.367     | 1.206     | 3.855     |
| X    |          | -2.728   | 1.165    | 861.900 | 5884.000 | 6173.000  | 0.327     | 1.186     | 3.516     |
| σ    |          | 0.854    | 0.158    | 2.798   | 36.860   | 8.339     | 0.079     | 0.109     | 0.324     |
| %RSD |          | 31.300   | 13.590   | 0.325   | 0.627    | 0.135     | 24.030    | 9.160     | 9.221     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As     | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:14:33 | 3.612    | 4.403    | 4.297   | 18.050   | -1.432    | -0.071    | 0.000     | 286.900   |
| 2    | 19:15:15 | 3.554    | 5.236    | 5.204   | 17.320   | -0.884    | -0.190    | 0.000     | 288.400   |
| 3    | 19:15:56 | 4.090    | 4.742    | 4.048   | 15.780   | 0.313     | -1.320    | 0.000     | 291.200   |
| X    |          | 3.752    | 4.794    | 4.516   | 17.050   | -0.667    | -0.527    | 0.000     | 288.800   |
| σ    |          | 0.294    | 0.419    | 0.608   | 1.159    | 0.892     | 0.689     | 0.000     | 2.213     |
| %RSD |          | 7.834    | 8.733    | 13.470  | 6.796    | 133.700   | 130.800   | 0.000     | 0.766     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh    | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:14:33 | 77.262%  | 0.444    | 0.403   | 74.715%  | 0.009     | 0.009     | -0.002    | -0.074    |
| 2    | 19:15:15 | 79.560%  | 0.352    | 0.431   | 77.350%  | 0.008     | 0.003     | -0.092    | -0.122    |
| 3    | 19:15:56 | 80.151%  | 0.533    | 0.372   | 78.546%  | -0.002    | 0.018     | 0.027     | -0.088    |
| X    |          | 78.991%  | 0.443    | 0.402   | 76.870%  | 0.005     | 0.010     | -0.022    | -0.094    |
| σ    |          | 1.526%   | 0.091    | 0.029   | 1.960%   | 0.006     | 0.008     | 0.062     | 0.025     |
| %RSD |          | 1.932    | 20.540   | 7.335   | 2.550    | 116.400   | 74.010    | 275.500   | 25.950    |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb    | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:14:33 | 81.318%  | 10.480   | 0.464   | 0.651    | 80.400    | 78.570    | 86.945%   | 90.114%   |
| 2    | 19:15:15 | 83.731%  | 10.370   | 0.603   | 0.673    | 77.330    | 77.960    | 91.945%   | 93.300%   |
| 3    | 19:15:56 | 85.286%  | 10.220   | 0.636   | 0.661    | 77.920    | 78.890    | 93.067%   | 95.086%   |
| X    |          | 83.445%  | 10.360   | 0.568   | 0.662    | 78.550    | 78.470    | 90.652%   | 92.833%   |
| σ    |          | 2.000%   | 0.129    | 0.092   | 0.011    | 1.629     | 0.473     | 3.259%    | 2.519%    |
| %RSD |          | 2.397    | 1.243    | 16.160  | 1.681    | 2.074     | 0.602     | 3.595     | 2.713     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb    | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       |           |           |
| 1    | 19:14:33 | 0.124    | 0.123    | 2.129   | 2.001    | 2.145     | 86.970%   |           |           |
| 2    | 19:15:15 | 0.106    | 0.108    | 2.077   | 2.000    | 2.096     | 91.685%   |           |           |
| 3    | 19:15:56 | 0.098    | 0.106    | 2.048   | 2.230    | 2.153     | 93.388%   |           |           |
| X    |          | 0.109    | 0.112    | 2.085   | 2.077    | 2.131     | 90.681%   |           |           |
| σ    |          | 0.013    | 0.009    | 0.041   | 0.132    | 0.031     | 3.325%    |           |           |
| %RSD |          | 12.060   | 8.280    | 1.958   | 6.372    | 1.461     | 3.667     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B      | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|---------|----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:18:49 | 98.516%  | -0.031   | 66.460  | 66.160   | 0.000     | 89180.000 | 23610.000 | 23640.000 |
| 2    | 19:19:31 | 99.838%  | 0.032    | 73.070  | 67.980   | 0.000     | 88450.000 | 23750.000 | 23770.000 |
| 3    | 19:20:12 | 101.613% | 0.061    | 69.110  | 65.820   | 0.000     | 87340.000 | 23550.000 | 23610.000 |
| X    |          | 99.989%  | 0.021    | 69.550  | 66.650   | 0.000     | 88320.000 | 23640.000 | 23670.000 |
| σ    |          | 1.554%   | 0.047    | 3.327   | 1.164    | 0.000     | 924.300   | 101.900   | 85.710    |
| %RSD |          | 1.554    | 226.100  | 4.784   | 1.746    | 0.000     | 1.046     | 0.431     | 0.362     |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K      | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:18:49 | 67.610   | 5418.000 | 0.000   | 4794.000 | 41070.000 | 40530.000 | 76.328%   | 5.009     |
| 2    | 19:19:31 | 70.300   | 5399.000 | 0.000   | 4814.000 | 40370.000 | 40450.000 | 77.214%   | 4.682     |
| 3    | 19:20:12 | 71.480   | 5367.000 | 0.000   | 4862.000 | 41100.000 | 40240.000 | 77.554%   | 3.926     |
| X    |          | 69.790   | 5395.000 | 0.000   | 4823.000 | 40850.000 | 40400.000 | 77.032%   | 4.539     |
| σ    |          | 1.985    | 25.960   | 0.000   | 34.910   | 410.200   | 151.200   | 0.633%    | 0.556     |
| %RSD |          | 2.844    | 0.481    | 0.000   | 0.724    | 1.004     | 0.374     | 0.822     | 12.240    |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe     | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:18:49 | -2.346   | 1.408    | 853.700 | 5116.000 | 6114.000  | 0.299     | 1.134     | 3.543     |
| 2    | 19:19:31 | -2.967   | 1.350    | 861.200 | 5846.000 | 6184.000  | 0.295     | 1.056     | 2.994     |
| 3    | 19:20:12 | -2.574   | 1.442    | 861.700 | 5804.000 | 6148.000  | 0.369     | 1.219     | 3.749     |
| X    |          | -2.629   | 1.400    | 858.900 | 5589.000 | 6148.000  | 0.321     | 1.137     | 3.429     |
| σ    |          | 0.314    | 0.047    | 4.463   | 409.600  | 35.110    | 0.042     | 0.082     | 0.390     |
| %RSD |          | 11.960   | 3.331    | 0.520   | 7.329    | 0.571     | 12.990    | 7.183     | 11.380    |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As     | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:18:49 | 2.661    | 5.198    | 4.023   | 18.700   | -1.858    | -1.144    | 0.000     | 283.800   |
| 2    | 19:19:31 | 3.333    | 4.787    | 4.415   | 19.490   | -0.768    | 0.088     | 0.000     | 287.800   |
| 3    | 19:20:12 | 3.254    | 5.159    | 5.180   | 15.430   | -1.521    | -1.262    | 0.000     | 287.600   |
| X    |          | 3.083    | 5.048    | 4.539   | 17.880   | -1.382    | -0.773    | 0.000     | 286.400   |
| σ    |          | 0.367    | 0.227    | 0.588   | 2.150    | 0.558     | 0.748     | 0.000     | 2.278     |
| %RSD |          | 11.900   | 4.497    | 12.960  | 12.030   | 40.360    | 96.800    | 0.000     | 0.795     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh    | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:18:49 | 78.555%  | 0.459    | 0.341   | 75.896%  | 0.008     | 0.004     | 0.028     | -0.084    |
| 2    | 19:19:31 | 79.549%  | 0.240    | 0.485   | 78.084%  | -0.002    | -0.002    | -0.071    | -0.107    |
| 3    | 19:20:12 | 79.752%  | 0.349    | 0.352   | 77.913%  | -0.002    | 0.003     | 0.016     | -0.055    |
| X    |          | 79.285%  | 0.349    | 0.393   | 77.298%  | 0.002     | 0.002     | -0.009    | -0.082    |
| σ    |          | 0.641%   | 0.110    | 0.080   | 1.217%   | 0.006     | 0.003     | 0.054     | 0.026     |
| %RSD |          | 0.808    | 31.370   | 20.470  | 1.574    | 341.500   | 178.300   | 602.800   | 31.500    |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb    | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:18:49 | 81.331%  | 8.989    | 0.576   | 0.517    | 77.870    | 77.850    | 88.060%   | 89.931%   |
| 2    | 19:19:31 | 83.287%  | 8.079    | 0.652   | 0.620    | 78.820    | 78.750    | 90.874%   | 92.367%   |
| 3    | 19:20:12 | 83.843%  | 7.616    | 0.573   | 0.532    | 80.400    | 77.420    | 91.167%   | 92.620%   |
| X    |          | 82.820%  | 8.228    | 0.600   | 0.556    | 79.030    | 78.010    | 90.033%   | 91.639%   |
| σ    |          | 1.319%   | 0.699    | 0.045   | 0.055    | 1.276     | 0.681     | 1.716%    | 1.485%    |
| %RSD |          | 1.593    | 8.494    | 7.470   | 9.957    | 1.615     | 0.874     | 1.906     | 1.620     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb    | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       |           |           |
| 1    | 19:18:49 | 0.114    | 0.107    | 2.134   | 1.945    | 2.061     | 85.703%   |           |           |
| 2    | 19:19:31 | 0.086    | 0.108    | 2.029   | 2.085    | 2.040     | 90.257%   |           |           |
| 3    | 19:20:12 | 0.085    | 0.121    | 1.976   | 2.011    | 2.013     | 90.820%   |           |           |
| X    |          | 0.095    | 0.112    | 2.046   | 2.014    | 2.038     | 88.926%   |           |           |
| σ    |          | 0.017    | 0.007    | 0.081   | 0.070    | 0.024     | 2.806%    |           |           |
| %RSD |          | 17.500   | 6.693    | 3.936   | 3.481    | 1.182     | 3.155     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B       | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|----------|----------|---------|-----------|------------|------------|-----------|-----------|
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:23:06 | 109.913% | -0.031   | 247.300 | 223.000   | 0.000      | 35090.000  | 37800.000 | 38090.000 |
| 2    | 19:23:47 | 113.002% | -0.031   | 243.900 | 226.200   | 0.000      | 34970.000  | 37910.000 | 38430.000 |
| 3    | 19:24:29 | 115.324% | -0.031   | 258.400 | 221.400   | 0.000      | 34840.000  | 38150.000 | 42420.000 |
| X    |          | 112.746% | -0.031   | 249.900 | 223.500   | 0.000      | 34970.000  | 37960.000 | 39650.000 |
| σ    |          | 2.715%   | 0.000    | 7.616   | 2.434     | 0.000      | 121.000    | 177.500   | 2411.000  |
| %RSD |          | 2.408    | 0.000    | 3.048   | 1.089     | 0.000      | 0.346      | 0.468     | 6.081     |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K       | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:23:06 | -1.547   | 7466.000 | 0.000   | 14820.000 | 104300.000 | 104700.000 | 81.421%   | 1.188     |
| 2    | 19:23:47 | -0.003   | 7522.000 | 0.000   | 14790.000 | 104600.000 | 105300.000 | 83.580%   | 1.714     |
| 3    | 19:24:29 | -0.902   | 7499.000 | 0.000   | 14770.000 | 106300.000 | 105600.000 | 84.776%   | 1.384     |
| X    |          | -0.817   | 7496.000 | 0.000   | 14790.000 | 105100.000 | 105200.000 | 83.259%   | 1.429     |
| σ    |          | 0.775    | 28.210   | 0.000   | 22.910    | 1088.000   | 466.600    | 1.700%    | 0.266     |
| %RSD |          | 94.840   | 0.376    | 0.000   | 0.155     | 1.035      | 0.444      | 2.042     | 18.610    |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe      | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:23:06 | -9.701   | 1.599    | 23.290  | 94.830    | 232.800    | 0.136      | 1.367     | 3.597     |
| 2    | 19:23:47 | -6.923   | 2.056    | 24.960  | 100.900   | 241.000    | 0.143      | 1.116     | 3.861     |
| 3    | 19:24:29 | -8.531   | 2.164    | 24.040  | 97.310    | 229.400    | 0.134      | 1.319     | 3.692     |
| X    |          | -8.385   | 1.940    | 24.100  | 97.680    | 234.400    | 0.138      | 1.267     | 3.716     |
| σ    |          | 1.395    | 0.300    | 0.836   | 3.042     | 5.923      | 0.005      | 0.133     | 0.134     |
| %RSD |          | 16.630   | 15.470   | 3.468   | 3.114     | 2.527      | 3.635      | 10.510    | 3.592     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As      | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:23:06 | 3.510    | 12.580   | 11.970  | -1.198    | -0.870     | 0.718      | 0.000     | 573.800   |
| 2    | 19:23:47 | 3.821    | 12.410   | 13.750  | 2.542     | -1.076     | 1.533      | 0.000     | 576.800   |
| 3    | 19:24:29 | 3.334    | 12.750   | 13.430  | 0.860     | 1.467      | -0.449     | 0.000     | 583.400   |
| X    |          | 3.555    | 12.580   | 13.050  | 0.735     | -0.160     | 0.601      | 0.000     | 578.000   |
| σ    |          | 0.247    | 0.171    | 0.949   | 1.873     | 1.413      | 0.996      | 0.000     | 4.945     |
| %RSD |          | 6.940    | 1.360    | 7.272   | 255.000   | 884.100    | 165.900    | 0.000     | 0.856     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh     | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:23:06 | 81.438%  | 0.750    | 0.727   | 79.122%   | -0.006     | -0.002     | -0.084    | -0.123    |
| 2    | 19:23:47 | 83.769%  | 0.731    | 0.862   | 81.847%   | 0.021      | 0.032      | -0.036    | -0.006    |
| 3    | 19:24:29 | 84.010%  | 0.789    | 0.774   | 82.692%   | 0.003      | 0.012      | -0.071    | -0.164    |
| X    |          | 83.072%  | 0.757    | 0.787   | 81.221%   | 0.006      | 0.014      | -0.063    | -0.098    |
| σ    |          | 1.420%   | 0.030    | 0.068   | 1.866%    | 0.014      | 0.017      | 0.025     | 0.082     |
| %RSD |          | 1.710    | 3.903    | 8.698   | 2.297     | 244.500    | 120.100    | 39.370    | 84.210    |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb     | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:23:06 | 84.302%  | 6.909    | 0.606   | 0.825     | 111.700    | 110.500    | 90.356%   | 93.336%   |
| 2    | 19:23:47 | 87.780%  | 7.188    | 0.748   | 0.729     | 111.300    | 107.200    | 94.912%   | 96.394%   |
| 3    | 19:24:29 | 88.919%  | 7.107    | 0.676   | 0.768     | 109.200    | 109.900    | 96.042%   | 96.991%   |
| X    |          | 87.000%  | 7.068    | 0.676   | 0.774     | 110.700    | 109.200    | 93.770%   | 95.574%   |
| σ    |          | 2.405%   | 0.144    | 0.071   | 0.049     | 1.309      | 1.728      | 3.010%    | 1.961%    |
| %RSD |          | 2.764    | 2.037    | 10.480  | 6.283     | 1.182      | 1.583      | 3.210     | 2.052     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb     | 208Pb      | 209Bi      |           |           |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        |           |           |
| 1    | 19:23:06 | 0.071    | 0.074    | 0.268   | 0.298     | 0.287      | 88.699%    |           |           |
| 2    | 19:23:47 | 0.059    | 0.085    | 0.264   | 0.286     | 0.293      | 92.241%    |           |           |
| 3    | 19:24:29 | 0.061    | 0.045    | 0.286   | 0.351     | 0.309      | 93.578%    |           |           |
| X    |          | 0.063    | 0.068    | 0.273   | 0.312     | 0.296      | 91.506%    |           |           |
| σ    |          | 0.006    | 0.021    | 0.012   | 0.035     | 0.012      | 2.521%     |           |           |
| %RSD |          | 9.874    | 30.650   | 4.261   | 11.230    | 3.920      | 2.755      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B    | 11B      | 13C       | 23Na      | 25Mg     | 26Mg     |
|------|----------|---------|----------|--------|----------|-----------|-----------|----------|----------|
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 19:27:22 | 91.807% | 0.003    | 47.270 | 45.550   | 0.000     | 7280.000  | 7520.000 | 7530.000 |
| 2    | 19:28:04 | 91.681% | 0.037    | 48.940 | 49.780   | 0.000     | 7254.000  | 7540.000 | 7592.000 |
| 3    | 19:28:45 | 92.126% | 0.036    | 54.260 | 46.570   | 0.000     | 7137.000  | 7494.000 | 7535.000 |
| X    |          | 91.871% | 0.025    | 50.160 | 47.300   | 0.000     | 7224.000  | 7518.000 | 7553.000 |
| σ    |          | 0.229%  | 0.019    | 3.653  | 2.209    | 0.000     | 76.290    | 23.330   | 34.530   |
| %RSD |          | 0.249   | 76.630   | 7.284  | 4.670    | 0.000     | 1.056     | 0.310    | 0.457    |
| Run  | Time     | 27Al    | 28Si     | 37Cl   | 39K      | 43Ca      | 44Ca      | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 19:27:22 | 0.563   | 1527.000 | 0.000  | 2559.000 | 20710.000 | 20640.000 | 78.105%  | 0.511    |
| 2    | 19:28:04 | 0.508   | 1540.000 | 0.000  | 2587.000 | 20860.000 | 20550.000 | 77.726%  | 0.113    |
| 3    | 19:28:45 | -1.435  | 1517.000 | 0.000  | 2550.000 | 21410.000 | 20780.000 | 77.024%  | 0.586    |
| X    |          | -0.122  | 1528.000 | 0.000  | 2566.000 | 20990.000 | 20660.000 | 77.618%  | 0.404    |
| σ    |          | 1.138   | 11.700   | 0.000  | 19.450   | 365.500   | 116.800   | 0.549%   | 0.254    |
| %RSD |          | 936.100 | 0.766    | 0.000  | 0.758    | 1.741     | 0.565     | 0.707    | 63.020   |
| Run  | Time     | 51V     | 52Cr     | 55Mn   | 56Fe     | 57Fe      | 59Co      | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 19:27:22 | -3.778  | 0.615    | 5.114  | 34.950   | 75.070    | 0.064     | 0.419    | 1.426    |
| 2    | 19:28:04 | -3.216  | 0.570    | 5.596  | 33.260   | 63.910    | 0.060     | 0.486    | 1.398    |
| 3    | 19:28:45 | -2.562  | 0.655    | 4.948  | 27.560   | 66.270    | 0.043     | 0.240    | 1.312    |
| X    |          | -3.185  | 0.614    | 5.219  | 31.920   | 68.420    | 0.056     | 0.382    | 1.379    |
| σ    |          | 0.609   | 0.042    | 0.337  | 3.873    | 5.882     | 0.011     | 0.127    | 0.059    |
| %RSD |          | 19.100  | 6.900    | 6.454  | 12.130   | 8.597     | 19.690    | 33.370   | 4.314    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn   | 75As     | 78Se      | 82Se      | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 19:27:22 | 1.041   | 2.815    | 3.704  | -1.454   | 0.409     | -0.793    | 0.000    | 115.000  |
| 2    | 19:28:04 | 1.532   | 3.042    | 2.520  | -0.806   | -1.227    | -0.927    | 0.000    | 116.400  |
| 3    | 19:28:45 | 1.242   | 2.421    | 3.123  | -0.841   | -1.374    | -1.220    | 0.000    | 114.500  |
| X    |          | 1.272   | 2.759    | 3.116  | -1.034   | -0.731    | -0.980    | 0.000    | 115.300  |
| σ    |          | 0.247   | 0.314    | 0.592  | 0.364    | 0.990     | 0.219     | 0.000    | 1.009    |
| %RSD |          | 19.390  | 11.380   | 19.010 | 35.230   | 135.500   | 22.290    | 0.000    | 0.875    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo   | 103Rh    | 107Ag     | 109Ag     | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 19:27:22 | 77.837% | 0.244    | 0.360  | 79.015%  | 0.042     | -0.002    | -0.070   | -0.113   |
| 2    | 19:28:04 | 78.004% | 0.242    | 0.216  | 79.403%  | 0.013     | 0.019     | 0.072    | -0.005   |
| 3    | 19:28:45 | 79.029% | 0.144    | 0.073  | 79.036%  | 0.003     | -0.002    | -0.010   | -0.113   |
| X    |          | 78.290% | 0.210    | 0.216  | 79.151%  | 0.019     | 0.005     | -0.003   | -0.077   |
| σ    |          | 0.645%  | 0.057    | 0.143  | 0.218%   | 0.020     | 0.012     | 0.072    | 0.062    |
| %RSD |          | 0.824   | 27.230   | 66.180 | 0.276    | 105.000   | 235.700   | 2683.000 | 80.620   |
| Run  | Time     | 115In   | 118Sn    | 121Sb  | 123Sb    | 135Ba     | 137Ba     | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 19:27:22 | 81.502% | 3.222    | 0.194  | 0.166    | 20.410    | 21.880    | 86.271%  | 87.645%  |
| 2    | 19:28:04 | 82.482% | 3.386    | 0.177  | 0.171    | 21.490    | 22.240    | 87.123%  | 88.857%  |
| 3    | 19:28:45 | 83.332% | 2.943    | 0.195  | 0.169    | 21.810    | 21.870    | 88.125%  | 88.952%  |
| X    |          | 82.439% | 3.183    | 0.189  | 0.169    | 21.240    | 22.000    | 87.173%  | 88.484%  |
| σ    |          | 0.916%  | 0.224    | 0.010  | 0.002    | 0.731     | 0.213     | 0.928%   | 0.729%   |
| %RSD |          | 1.111   | 7.028    | 5.510  | 1.266    | 3.443     | 0.970     | 1.065    | 0.824    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb  | 207Pb    | 208Pb     | 209Bi     |          |          |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       |          |          |
| 1    | 19:27:22 | 0.068   | 0.077    | 0.088  | 0.067    | 0.094     | 82.350%   |          |          |
| 2    | 19:28:04 | 0.064   | 0.063    | 0.071  | 0.098    | 0.093     | 84.135%   |          |          |
| 3    | 19:28:45 | 0.060   | 0.054    | 0.056  | 0.085    | 0.067     | 84.982%   |          |          |
| X    |          | 0.064   | 0.064    | 0.072  | 0.083    | 0.085     | 83.822%   |          |          |
| σ    |          | 0.004   | 0.012    | 0.016  | 0.015    | 0.015     | 1.343%    |          |          |
| %RSD |          | 6.613   | 18.050   | 22.370 | 18.640   | 17.820    | 1.603     |          |          |

CCV 664806 12/29/2012 7:33:48 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:34:31 | 75.172%  | 108.000  | 110.100  | 106.900   | 0.000     | 51510.000 | 44910.000 | 45030.000 |
| 2    | 19:35:13 | 76.584%  | 110.000  | 105.600  | 106.400   | 0.000     | 50840.000 | 45120.000 | 45500.000 |
| 3    | 19:35:55 | 77.679%  | 106.600  | 103.700  | 105.300   | 0.000     | 50880.000 | 45510.000 | 45690.000 |
| X    |          | 76.478%  | 108.200% | 106.441% | 106.194%  | 0.000     | 102.157%  | 90.367%   | 90.811%   |
| σ    |          | 1.257%   | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 1.643    | 1.604    | 3.097    | 0.767     | 0.000     | 0.741     | 0.675     | 0.755     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:34:31 | 507.500  | 5163.000 | 0.000    | 52080.000 | 52570.000 | 51450.000 | 70.250%   | 105.200   |
| 2    | 19:35:13 | 512.000  | 5219.000 | 0.000    | 51360.000 | 51090.000 | 51770.000 | 72.472%   | 105.200   |
| 3    | 19:35:55 | 507.300  | 5265.000 | 0.000    | 51320.000 | 53920.000 | 51550.000 | 74.327%   | 102.500   |
| X    |          | 101.785% | 104.321% | 0.000    | 103.171%  | 105.052%  | 103.181%  | 72.350%   | 104.316%  |
| σ    |          | n/a      | n/a      | 0.000    | n/a       | n/a       | n/a       | 2.041%    | n/a       |
| %RSD |          | 0.520    | 0.980    | 0.000    | 0.834     | 2.697     | 0.312     | 2.821     | 1.471     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:34:31 | 104.800  | 105.000  | 511.200  | 26020.000 | 25630.000 | 103.500   | 108.200   | 104.200   |
| 2    | 19:35:13 | 105.500  | 104.900  | 518.900  | 25610.000 | 25840.000 | 106.100   | 106.200   | 106.800   |
| 3    | 19:35:55 | 102.800  | 106.000  | 515.400  | 25570.000 | 26000.000 | 105.200   | 105.000   | 107.100   |
| X    |          | 104.371% | 105.277% | 103.035% | 102.941%  | 103.298%  | 104.936%  | 106.431%  | 106.041%  |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 1.322    | 0.582    | 0.748    | 0.962     | 0.728     | 1.254     | 1.515     | 1.550     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:34:31 | 105.400  | 103.200  | 104.900  | 97.570    | 101.100   | 94.720    | 0.000     | 97.160    |
| 2    | 19:35:13 | 105.700  | 101.900  | 106.400  | 100.200   | 98.400    | 98.640    | 0.000     | 95.710    |
| 3    | 19:35:55 | 103.200  | 105.300  | 104.400  | 103.600   | 98.490    | 103.000   | 0.000     | 96.450    |
| X    |          | 104.761% | 103.474% | 105.250% | 100.438%  | 99.336%   | 98.798%   | 0.000     | 96.443%   |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 1.317    | 1.671    | 0.981    | 2.992     | 1.554     | 4.211     | 0.000     | 0.750     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:34:31 | 79.442%  | 96.220   | 98.470   | 75.464%   | 98.000    | 98.000    | 98.050    | 98.590    |
| 2    | 19:35:13 | 82.890%  | 100.100  | 100.600  | 78.812%   | 98.010    | 98.140    | 97.770    | 96.110    |
| 3    | 19:35:55 | 83.499%  | 102.300  | 101.600  | 80.804%   | 99.320    | 101.500   | 98.330    | 100.400   |
| X    |          | 81.943%  | 99.544%  | 100.235% | 78.360%   | 98.444%   | 99.223%   | 98.050%   | 98.358%   |
| σ    |          | 2.188%   | n/a      | n/a      | 2.699%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 2.670    | 3.103    | 1.606    | 3.444     | 0.769     | 2.017     | 0.289     | 2.176     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:34:31 | 79.015%  | 98.190   | 98.570   | 99.440    | 94.510    | 96.910    | 84.458%   | 84.559%   |
| 2    | 19:35:13 | 83.187%  | 99.510   | 97.680   | 98.710    | 96.040    | 97.300    | 87.986%   | 89.218%   |
| 3    | 19:35:55 | 83.988%  | 101.500  | 99.640   | 99.140    | 96.180    | 96.940    | 89.471%   | 90.853%   |
| X    |          | 82.063%  | 99.741%  | 98.629%  | 99.095%   | 95.576%   | 97.051%   | 87.305%   | 88.210%   |
| σ    |          | 2.670%   | n/a      | n/a      | n/a       | n/a       | n/a       | 2.575%    | 3.266%    |
| %RSD |          | 3.254    | 1.686    | 0.993    | 0.368     | 0.968     | 0.226     | 2.949     | 3.703     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 19:34:31 | 99.520   | 98.750   | 100.400  | 99.310    | 100.200   | 83.516%   |           |           |
| 2    | 19:35:13 | 99.890   | 99.650   | 101.500  | 101.900   | 101.600   | 86.942%   |           |           |
| 3    | 19:35:55 | 101.100  | 100.100  | 100.700  | 101.600   | 101.500   | 88.589%   |           |           |
| X    |          | 100.167% | 99.497%  | 100.881% | 100.924%  | 101.093%  | 86.349%   |           |           |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | 2.588%    |           |           |
| %RSD |          | 0.818    | 0.683    | 0.533    | 1.395     | 0.775     | 2.997     |           |           |

CCB4 12/29/2012 7:41:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be     | 10B     | 11B     | 13C    | 23Na    | 25Mg    | 26Mg     |
|------|----------|----------|---------|---------|---------|--------|---------|---------|----------|
|      |          | ppb      | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 19:42:21 | 86.219%  | 0.040   | 2.445   | 2.593   | 0.000  | -32.230 | 16.210  | 14.240   |
| 2    | 19:43:03 | 87.267%  | 0.039   | 4.060   | 2.431   | 0.000  | -1.746  | 25.800  | 24.590   |
| 3    | 19:43:45 | 86.120%  | -0.031  | 1.417   | 2.341   | 0.000  | -58.100 | 4.007   | 4.983    |
| X    |          | 86.535%  | 0.016   | 2.641   | 2.455   | 0.000  | -30.690 | 15.340  | 14.600   |
| σ    |          | 0.636%   | 0.041   | 1.332   | 0.128   | 0.000  | 28.210  | 10.920  | 9.807    |
| %RSD |          | 0.735    | 248.700 | 50.450  | 5.202   | 0.000  | 91.910  | 71.220  | 67.150   |
| Run  | Time     | 27Al     | 28Si    | 37Cl    | 39K     | 43Ca   | 44Ca    | 45Sc    | 47Ti     |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 19:42:21 | -2.811   | 5.056   | 0.000   | 7.213   | 30.600 | 34.250  | 80.161% | -0.023   |
| 2    | 19:43:03 | -2.038   | 5.999   | 0.000   | 15.190  | 92.000 | 60.820  | 80.217% | 0.107    |
| 3    | 19:43:45 | -4.128   | 4.836   | 0.000   | -3.941  | 19.290 | 11.200  | 80.613% | 0.106    |
| X    |          | -2.992   | 5.297   | 0.000   | 6.155   | 47.290 | 35.420  | 80.330% | 0.063    |
| σ    |          | 1.057    | 0.618   | 0.000   | 9.612   | 39.120 | 24.830  | 0.246%  | 0.074    |
| %RSD |          | 35.310   | 11.670  | 0.000   | 156.200 | 82.720 | 70.100  | 0.307   | 117.400  |
| Run  | Time     | 51V      | 52Cr    | 55Mn    | 56Fe    | 57Fe   | 59Co    | 60Ni    | 63Cu     |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 19:42:21 | -0.004   | 0.040   | 0.178   | 15.260  | 22.220 | 0.016   | 0.077   | 0.437    |
| 2    | 19:43:03 | 0.085    | 0.075   | 0.438   | 16.320  | 19.450 | 0.060   | 0.182   | 0.409    |
| 3    | 19:43:45 | -0.093   | -0.038  | 0.049   | 6.293   | 9.242  | -0.000  | 0.055   | 0.397    |
| X    |          | -0.004   | 0.025   | 0.222   | 12.620  | 16.970 | 0.025   | 0.105   | 0.415    |
| σ    |          | 0.089    | 0.058   | 0.198   | 5.509   | 6.836  | 0.031   | 0.068   | 0.020    |
| %RSD |          | 2173.000 | 227.200 | 89.380  | 43.640  | 40.280 | 123.900 | 64.980  | 4.905    |
| Run  | Time     | 65Cu     | 66Zn    | 68Zn    | 75As    | 78Se   | 82Se    | 83Kr    | 88Sr     |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 19:42:21 | 0.400    | 0.613   | 1.080   | -0.055  | -1.200 | -0.204  | 0.000   | 0.273    |
| 2    | 19:43:03 | 0.457    | 0.839   | 0.127   | 0.166   | -1.005 | 0.393   | 0.000   | 0.446    |
| 3    | 19:43:45 | 0.243    | 0.294   | 0.081   | 0.011   | -0.286 | -0.061  | 0.000   | 0.092    |
| X    |          | 0.367    | 0.582   | 0.430   | 0.041   | -0.830 | 0.043   | 0.000   | 0.270    |
| σ    |          | 0.111    | 0.274   | 0.564   | 0.113   | 0.482  | 0.312   | 0.000   | 0.177    |
| %RSD |          | 30.200   | 47.060  | 131.300 | 279.000 | 57.990 | 730.300 | 0.000   | 65.430   |
| Run  | Time     | 89Y      | 95Mo    | 98Mo    | 103Rh   | 107Ag  | 109Ag   | 111Cd   | 114Cd    |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 19:42:21 | 80.711%  | 0.275   | 0.229   | 82.469% | 0.059  | 0.028   | -0.022  | -0.053   |
| 2    | 19:43:03 | 82.344%  | 0.188   | 0.127   | 83.260% | 0.081  | 0.042   | 0.032   | 0.005    |
| 3    | 19:43:45 | 82.208%  | 0.199   | 0.101   | 84.126% | 0.007  | 0.018   | 0.117   | 0.056    |
| X    |          | 81.754%  | 0.221   | 0.153   | 83.285% | 0.049  | 0.029   | 0.042   | 0.002    |
| σ    |          | 0.906%   | 0.047   | 0.068   | 0.829%  | 0.038  | 0.012   | 0.070   | 0.055    |
| %RSD |          | 1.109    | 21.420  | 44.440  | 0.995   | 77.150 | 42.180  | 167.300 | 2185.000 |
| Run  | Time     | 115In    | 118Sn   | 121Sb   | 123Sb   | 135Ba  | 137Ba   | 159Tb   | 165Ho    |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |
| 1    | 19:42:21 | 82.988%  | 0.662   | 0.039   | 0.033   | 0.014  | 0.074   | 85.436% | 86.150%  |
| 2    | 19:43:03 | 84.901%  | 0.616   | 0.092   | 0.083   | 0.012  | 0.239   | 86.077% | 86.968%  |
| 3    | 19:43:45 | 84.284%  | 0.676   | 0.037   | -0.007  | 0.037  | 0.026   | 87.862% | 88.488%  |
| X    |          | 84.058%  | 0.651   | 0.056   | 0.036   | 0.021  | 0.113   | 86.458% | 87.202%  |
| σ    |          | 0.976%   | 0.031   | 0.031   | 0.045   | 0.014  | 0.112   | 1.258%  | 1.186%   |
| %RSD |          | 1.162    | 4.815   | 55.760  | 124.200 | 66.000 | 99.310  | 1.454   | 1.361    |
| Run  | Time     | 203Tl    | 205Tl   | 206Pb   | 207Pb   | 208Pb  | 209Bi   |         |          |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb    | ppb     |         |          |
| 1    | 19:42:21 | 0.086    | 0.084   | 0.046   | 0.033   | 0.046  | 88.762% |         |          |
| 2    | 19:43:03 | 0.076    | 0.091   | 0.093   | 0.045   | 0.060  | 89.421% |         |          |
| 3    | 19:43:45 | 0.023    | 0.052   | -0.003  | 0.002   | 0.010  | 89.983% |         |          |
| X    |          | 0.062    | 0.076   | 0.046   | 0.027   | 0.039  | 89.389% |         |          |
| σ    |          | 0.034    | 0.021   | 0.048   | 0.022   | 0.026  | 0.611%  |         |          |
| %RSD |          | 55.140   | 27.480  | 105.300 | 83.580  | 67.340 | 0.684   |         |          |

180-17167-A-5-B MS

12/29/2012 7:45:58 PM

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be       | 10B      | 11B       | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|----------|-----------|----------|-----------|------------|------------|-----------|-----------|
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:46:40 | 106.786% | 48.340    | 1203.000 | 1153.000  | 0.000      | 79290.000  | 86860.000 | 86830.000 |
| 2    | 19:47:22 | 111.091% | 49.080    | 1191.000 | 1151.000  | 0.000      | 77730.000  | 85240.000 | 85380.000 |
| 3    | 19:48:03 | 112.509% | 50.660    | 1202.000 | 1157.000  | 0.000      | 77640.000  | 84900.000 | 85400.000 |
| X    |          | 110.128% | 49.360    | 1199.000 | 1154.000  | 0.000      | 78220.000  | 85670.000 | 85870.000 |
| σ    |          | 2.980%   | 1.186     | 6.549    | 2.877     | 0.000      | 925.800    | 1050.000  | 832.500   |
| %RSD |          | 2.706    | 2.403     | 0.546    | 0.249     | 0.000      | 1.184      | 1.225     | 0.969     |
| Run  | Time     | 27Al     | 28Si      | 37Cl     | 39K       | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:46:40 | 1687.000 | 16370.000 | 0.000    | 60510.000 | 151900.000 | 153200.000 | 79.784%   | 940.400   |
| 2    | 19:47:22 | 1684.000 | 16360.000 | 0.000    | 59200.000 | 149100.000 | 153600.000 | 81.560%   | 934.700   |
| 3    | 19:48:03 | 1686.000 | 16390.000 | 0.000    | 59090.000 | 150000.000 | 154100.000 | 82.060%   | 944.200   |
| X    |          | 1686.000 | 16370.000 | 0.000    | 59600.000 | 150300.000 | 153700.000 | 81.135%   | 939.800   |
| σ    |          | 1.400    | 13.850    | 0.000    | 789.800   | 1417.000   | 441.000    | 1.197%    | 4.769     |
| %RSD |          | 0.083    | 0.085     | 0.000    | 1.325     | 0.943      | 0.287      | 1.475     | 0.507     |
| Run  | Time     | 51V      | 52Cr      | 55Mn     | 56Fe      | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:46:40 | 461.100  | 189.500   | 490.700  | 845.300   | 1228.000   | 470.300    | 466.400   | 225.900   |
| 2    | 19:47:22 | 465.100  | 191.800   | 498.100  | 856.700   | 1273.000   | 473.500    | 465.600   | 231.700   |
| 3    | 19:48:03 | 460.800  | 194.200   | 497.100  | 846.600   | 1235.000   | 471.500    | 459.900   | 230.200   |
| X    |          | 462.400  | 191.800   | 495.300  | 849.500   | 1245.000   | 471.800    | 463.900   | 229.200   |
| σ    |          | 2.382    | 2.372     | 4.003    | 6.224     | 24.130     | 1.641      | 3.566     | 3.027     |
| %RSD |          | 0.515    | 1.236     | 0.808    | 0.733     | 1.938      | 0.348      | 0.769     | 1.320     |
| Run  | Time     | 65Cu     | 66Zn      | 68Zn     | 75As      | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:46:40 | 223.200  | 475.600   | 484.000  | 38.200    | 7.640      | 8.346      | 0.000     | 1576.000  |
| 2    | 19:47:22 | 227.300  | 480.300   | 490.800  | 35.950    | 7.562      | 9.162      | 0.000     | 1604.000  |
| 3    | 19:48:03 | 231.300  | 484.100   | 493.000  | 35.480    | 7.354      | 7.901      | 0.000     | 1611.000  |
| X    |          | 227.300  | 480.000   | 489.300  | 36.540    | 7.519      | 8.469      | 0.000     | 1597.000  |
| σ    |          | 4.074    | 4.227     | 4.698    | 1.453     | 0.148      | 0.640      | 0.000     | 18.870    |
| %RSD |          | 1.793    | 0.881     | 0.960    | 3.976     | 1.965      | 7.551      | 0.000     | 1.182     |
| Run  | Time     | 89Y      | 95Mo      | 98Mo     | 103Rh     | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:46:40 | 74.604%  | 1018.000  | 1013.000 | 74.875%   | 47.700     | 45.710     | 46.140    | 37.700    |
| 2    | 19:47:22 | 75.822%  | 1038.000  | 1028.000 | 77.073%   | 47.340     | 47.030     | 48.630    | 37.880    |
| 3    | 19:48:03 | 76.379%  | 1032.000  | 1031.000 | 77.913%   | 46.620     | 46.790     | 47.530    | 40.990    |
| X    |          | 75.602%  | 1029.000  | 1024.000 | 76.620%   | 47.220     | 46.510     | 47.430    | 38.850    |
| σ    |          | 0.908%   | 9.850     | 9.659    | 1.569%    | 0.548      | 0.707      | 1.246     | 1.847     |
| %RSD |          | 1.201    | 0.957     | 0.944    | 2.048     | 1.160      | 1.519      | 2.627     | 4.755     |
| Run  | Time     | 115In    | 118Sn     | 121Sb    | 123Sb     | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:46:40 | 80.331%  | 1931.000  | 477.200  | 480.600   | 1947.000   | 1944.000   | 85.625%   | 88.707%   |
| 2    | 19:47:22 | 82.320%  | 1957.000  | 484.900  | 487.400   | 1949.000   | 1951.000   | 89.868%   | 92.169%   |
| 3    | 19:48:03 | 83.636%  | 1951.000  | 488.300  | 481.700   | 1957.000   | 1951.000   | 91.466%   | 93.567%   |
| X    |          | 82.095%  | 1947.000  | 483.500  | 483.200   | 1951.000   | 1949.000   | 88.986%   | 91.481%   |
| σ    |          | 1.664%   | 13.480    | 5.687    | 3.610     | 4.999      | 4.269      | 3.019%    | 2.502%    |
| %RSD |          | 2.027    | 0.692     | 1.176    | 0.747     | 0.256      | 0.219      | 3.392     | 2.735     |
| Run  | Time     | 203Tl    | 205Tl     | 206Pb    | 207Pb     | 208Pb      | 209Bi      |           |           |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        |           |           |
| 1    | 19:46:40 | 45.530   | 44.910    | 20.020   | 19.870    | 19.910     | 84.578%    |           |           |
| 2    | 19:47:22 | 46.510   | 45.560    | 19.540   | 19.010    | 19.410     | 89.556%    |           |           |
| 3    | 19:48:03 | 46.550   | 46.550    | 20.080   | 20.020    | 19.890     | 88.863%    |           |           |
| X    |          | 46.200   | 45.670    | 19.880   | 19.640    | 19.740     | 87.666%    |           |           |
| σ    |          | 0.583    | 0.825     | 0.292    | 0.545     | 0.284      | 2.696%     |           |           |
| %RSD |          | 1.261    | 1.805     | 1.471    | 2.775     | 1.436      | 3.076      |           |           |



180-17167-A-5-C MSD

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be       | 10B      | 11B       | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|----------|-----------|----------|-----------|------------|------------|-----------|-----------|
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:50:57 | 109.844% | 47.530    | 1191.000 | 1140.000  | 0.000      | 76800.000  | 84740.000 | 84580.000 |
| 2    | 19:51:39 | 109.665% | 50.420    | 1238.000 | 1142.000  | 0.000      | 76990.000  | 84390.000 | 84530.000 |
| 3    | 19:52:21 | 110.959% | 48.670    | 1222.000 | 1153.000  | 0.000      | 76900.000  | 84320.000 | 84300.000 |
| X    |          | 110.156% | 48.870    | 1217.000 | 1145.000  | 0.000      | 76900.000  | 84480.000 | 84470.000 |
| σ    |          | 0.701%   | 1.455     | 24.140   | 6.955     | 0.000      | 96.920     | 220.600   | 152.800   |
| %RSD |          | 0.636    | 2.977     | 1.984    | 0.607     | 0.000      | 0.126      | 0.261     | 0.181     |
| Run  | Time     | 27Al     | 28Si      | 37Cl     | 39K       | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:50:57 | 1668.000 | 16070.000 | 0.000    | 58730.000 | 150400.000 | 151900.000 | 80.237%   | 925.700   |
| 2    | 19:51:39 | 1679.000 | 16180.000 | 0.000    | 58690.000 | 148700.000 | 152600.000 | 81.191%   | 924.800   |
| 3    | 19:52:21 | 1673.000 | 16140.000 | 0.000    | 58690.000 | 149700.000 | 153500.000 | 80.875%   | 937.500   |
| X    |          | 1673.000 | 16130.000 | 0.000    | 58700.000 | 149600.000 | 152700.000 | 80.768%   | 929.300   |
| σ    |          | 5.434    | 55.240    | 0.000    | 25.170    | 877.600    | 778.200    | 0.486%    | 7.057     |
| %RSD |          | 0.325    | 0.342     | 0.000    | 0.043     | 0.587      | 0.510      | 0.602     | 0.759     |
| Run  | Time     | 51V      | 52Cr      | 55Mn     | 56Fe      | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:50:57 | 463.300  | 192.900   | 493.000  | 844.400   | 1205.000   | 473.100    | 464.100   | 227.600   |
| 2    | 19:51:39 | 460.200  | 189.800   | 497.300  | 841.800   | 1250.000   | 470.400    | 457.800   | 228.100   |
| 3    | 19:52:21 | 460.000  | 193.000   | 497.000  | 847.100   | 1212.000   | 467.000    | 466.400   | 229.700   |
| X    |          | 461.200  | 191.900   | 495.800  | 844.500   | 1223.000   | 470.200    | 462.800   | 228.500   |
| σ    |          | 1.865    | 1.795     | 2.355    | 2.662     | 23.980     | 3.028      | 4.465     | 1.089     |
| %RSD |          | 0.404    | 0.935     | 0.475    | 0.315     | 1.961      | 0.644      | 0.965     | 0.477     |
| Run  | Time     | 65Cu     | 66Zn      | 68Zn     | 75As      | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:50:57 | 226.900  | 485.300   | 494.100  | 35.840    | 7.372      | 7.971      | 0.000     | 1620.000  |
| 2    | 19:51:39 | 226.600  | 491.800   | 493.200  | 36.350    | 7.316      | 7.564      | 0.000     | 1633.000  |
| 3    | 19:52:21 | 230.500  | 493.700   | 504.000  | 36.800    | 5.804      | 8.943      | 0.000     | 1644.000  |
| X    |          | 228.000  | 490.300   | 497.100  | 36.330    | 6.831      | 8.159      | 0.000     | 1632.000  |
| σ    |          | 2.137    | 4.434     | 6.000    | 0.482     | 0.889      | 0.709      | 0.000     | 11.820    |
| %RSD |          | 0.937    | 0.904     | 1.207    | 1.327     | 13.020     | 8.686      | 0.000     | 0.724     |
| Run  | Time     | 89Y      | 95Mo      | 98Mo     | 103Rh     | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:50:57 | 73.465%  | 1029.000  | 1019.000 | 76.097%   | 47.580     | 45.960     | 47.240    | 39.480    |
| 2    | 19:51:39 | 74.762%  | 1034.000  | 1032.000 | 77.431%   | 47.500     | 45.860     | 46.310    | 39.030    |
| 3    | 19:52:21 | 74.553%  | 1043.000  | 1027.000 | 78.066%   | 46.390     | 46.160     | 46.500    | 39.160    |
| X    |          | 74.260%  | 1035.000  | 1026.000 | 77.198%   | 47.160     | 45.990     | 46.680    | 39.230    |
| σ    |          | 0.696%   | 7.484     | 7.008    | 1.005%    | 0.667      | 0.154      | 0.490     | 0.232     |
| %RSD |          | 0.938    | 0.723     | 0.683    | 1.302     | 1.415      | 0.334      | 1.049     | 0.592     |
| Run  | Time     | 115In    | 118Sn     | 121Sb    | 123Sb     | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 19:50:57 | 82.750%  | 1906.000  | 478.200  | 478.100   | 1927.000   | 1909.000   | 89.912%   | 90.955%   |
| 2    | 19:51:39 | 84.093%  | 1944.000  | 482.900  | 486.100   | 1939.000   | 1933.000   | 91.447%   | 93.592%   |
| 3    | 19:52:21 | 84.652%  | 1943.000  | 485.800  | 483.300   | 1938.000   | 1932.000   | 92.521%   | 94.261%   |
| X    |          | 83.831%  | 1931.000  | 482.300  | 482.500   | 1935.000   | 1925.000   | 91.293%   | 92.936%   |
| σ    |          | 0.978%   | 21.360    | 3.846    | 4.090     | 6.556      | 13.270     | 1.311%    | 1.748%    |
| %RSD |          | 1.166    | 1.106     | 0.797    | 0.848     | 0.339      | 0.690      | 1.436     | 1.881     |
| Run  | Time     | 203Tl    | 205Tl     | 206Pb    | 207Pb     | 208Pb      | 209Bi      |           |           |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        |           |           |
| 1    | 19:50:57 | 47.020   | 45.910    | 19.990   | 19.110    | 19.700     | 86.084%    |           |           |
| 2    | 19:51:39 | 46.610   | 46.330    | 20.090   | 19.940    | 20.140     | 89.389%    |           |           |
| 3    | 19:52:21 | 46.730   | 45.660    | 19.710   | 19.570    | 19.610     | 92.210%    |           |           |
| X    |          | 46.790   | 45.960    | 19.930   | 19.540    | 19.820     | 89.228%    |           |           |
| σ    |          | 0.211    | 0.340     | 0.196    | 0.414     | 0.281      | 3.066%     |           |           |
| %RSD |          | 0.451    | 0.739     | 0.985    | 2.121     | 1.417      | 3.436      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be       | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|-----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:55:13 | 94.455% | -0.031    | 130.700 | 124.500   | 0.000     | 21000.000 | 26160.000 | 26230.000 |
| 2    | 19:55:54 | 95.066% | -0.031    | 126.900 | 126.700   | 0.000     | 20810.000 | 26290.000 | 26260.000 |
| 3    | 19:56:36 | 97.116% | -0.031    | 119.200 | 116.800   | 0.000     | 20490.000 | 26000.000 | 26120.000 |
| X    |          | 95.546% | -0.031    | 125.600 | 122.600   | 0.000     | 20770.000 | 26150.000 | 26200.000 |
| σ    |          | 1.394%  | 0.000     | 5.900   | 5.190     | 0.000     | 260.400   | 148.600   | 73.830    |
| %RSD |          | 1.459   | 0.000     | 4.698   | 4.232     | 0.000     | 1.254     | 0.568     | 0.282     |
| Run  | Time     | 27Al    | 28Si      | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:55:13 | -0.403  | 10250.000 | 0.000   | 5198.000  | 66670.000 | 66630.000 | 71.323%   | 4.059     |
| 2    | 19:55:54 | -1.082  | 10290.000 | 0.000   | 5191.000  | 66500.000 | 66040.000 | 72.650%   | 3.126     |
| 3    | 19:56:36 | -1.126  | 10230.000 | 0.000   | 5187.000  | 66720.000 | 65540.000 | 73.362%   | 3.307     |
| X    |          | -0.870  | 10260.000 | 0.000   | 5192.000  | 66630.000 | 66070.000 | 72.445%   | 3.497     |
| σ    |          | 0.405   | 30.460    | 0.000   | 5.928     | 114.300   | 544.100   | 1.035%    | 0.495     |
| %RSD |          | 46.530  | 0.297     | 0.000   | 0.114     | 0.172     | 0.824     | 1.428     | 14.140    |
| Run  | Time     | 51V     | 52Cr      | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:55:13 | -2.345  | 0.780     | 334.800 | 70240.000 | 72450.000 | 0.323     | 1.465     | 2.749     |
| 2    | 19:55:54 | -2.454  | 0.593     | 335.200 | 69580.000 | 72850.000 | 0.276     | 1.452     | 2.476     |
| 3    | 19:56:36 | -3.017  | 0.570     | 335.100 | 69130.000 | 72740.000 | 0.229     | 1.685     | 2.234     |
| X    |          | -2.605  | 0.648     | 335.000 | 69650.000 | 72680.000 | 0.276     | 1.534     | 2.486     |
| σ    |          | 0.361   | 0.115     | 0.157   | 559.900   | 204.800   | 0.047     | 0.131     | 0.258     |
| %RSD |          | 13.840  | 17.810    | 0.047   | 0.804     | 0.282     | 17.050    | 8.537     | 10.370    |
| Run  | Time     | 65Cu    | 66Zn      | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:55:13 | 2.373   | 7.690     | 8.229   | 9.240     | 0.337     | -0.198    | 0.000     | 382.400   |
| 2    | 19:55:54 | 2.184   | 6.916     | 7.210   | 9.294     | -0.007    | -1.191    | 0.000     | 383.600   |
| 3    | 19:56:36 | 2.532   | 7.257     | 7.555   | 11.160    | -1.362    | -1.814    | 0.000     | 385.800   |
| X    |          | 2.363   | 7.288     | 7.665   | 9.898     | -0.344    | -1.068    | 0.000     | 383.900   |
| σ    |          | 0.175   | 0.388     | 0.518   | 1.092     | 0.898     | 0.815     | 0.000     | 1.741     |
| %RSD |          | 7.386   | 5.327     | 6.758   | 11.030    | 261.100   | 76.310    | 0.000     | 0.454     |
| Run  | Time     | 89Y     | 95Mo      | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:55:13 | 72.986% | 5.114     | 5.406   | 71.932%   | 0.009     | 0.021     | -0.044    | -0.193    |
| 2    | 19:55:54 | 74.298% | 2.779     | 2.529   | 73.218%   | 0.014     | -0.002    | -0.070    | -0.187    |
| 3    | 19:56:36 | 75.048% | 2.239     | 1.919   | 74.353%   | 0.019     | -0.002    | 0.021     | -0.063    |
| X    |          | 74.111% | 3.377     | 3.284   | 73.168%   | 0.014     | 0.006     | -0.031    | -0.148    |
| σ    |          | 1.043%  | 1.528     | 1.862   | 1.211%    | 0.005     | 0.013     | 0.047     | 0.074     |
| %RSD |          | 1.408   | 45.250    | 56.700  | 1.656     | 33.980    | 217.700   | 149.300   | 49.760    |
| Run  | Time     | 115In   | 118Sn     | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:55:13 | 76.486% | 16.160    | 0.508   | 0.578     | 115.800   | 115.200   | 84.497%   | 85.930%   |
| 2    | 19:55:54 | 79.277% | 12.350    | 0.364   | 0.381     | 114.600   | 114.100   | 86.534%   | 88.098%   |
| 3    | 19:56:36 | 80.119% | 11.860    | 0.427   | 0.390     | 114.600   | 113.400   | 88.432%   | 89.535%   |
| X    |          | 78.628% | 13.460    | 0.433   | 0.450     | 115.000   | 114.200   | 86.488%   | 87.854%   |
| σ    |          | 1.902%  | 2.351     | 0.073   | 0.111     | 0.698     | 0.912     | 1.968%    | 1.815%    |
| %RSD |          | 2.418   | 17.470    | 16.770  | 24.750    | 0.607     | 0.799     | 2.276     | 2.066     |
| Run  | Time     | 203Tl   | 205Tl     | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 19:55:13 | 0.984   | 1.004     | 0.581   | 0.554     | 0.564     | 85.406%   |           |           |
| 2    | 19:55:54 | 0.719   | 0.701     | 0.526   | 0.523     | 0.503     | 88.337%   |           |           |
| 3    | 19:56:36 | 0.588   | 0.575     | 0.595   | 0.512     | 0.539     | 88.263%   |           |           |
| X    |          | 0.764   | 0.760     | 0.567   | 0.530     | 0.535     | 87.335%   |           |           |
| σ    |          | 0.201   | 0.221     | 0.036   | 0.022     | 0.031     | 1.672%    |           |           |
| %RSD |          | 26.360  | 29.030    | 6.399   | 4.141     | 5.790     | 1.914     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:59:27 | 93.238% | -0.031   | 42.930  | 40.860    | 0.000     | 46940.000 | 39960.000 | 40240.000 |
| 2    | 20:00:09 | 95.580% | -0.031   | 40.150  | 39.320    | 0.000     | 46710.000 | 40100.000 | 40600.000 |
| 3    | 20:00:51 | 96.805% | -0.031   | 38.020  | 37.000    | 0.000     | 46630.000 | 40220.000 | 40520.000 |
| X    |          | 95.208% | -0.031   | 40.360  | 39.060    | 0.000     | 46760.000 | 40090.000 | 40460.000 |
| σ    |          | 1.812%  | 0.000    | 2.460   | 1.943     | 0.000     | 159.700   | 132.600   | 190.800   |
| %RSD |          | 1.904   | 0.000    | 6.095   | 4.976     | 0.000     | 0.342     | 0.331     | 0.472     |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:59:27 | -3.167  | 8388.000 | 0.000   | 1275.000  | 40140.000 | 40430.000 | 70.982%   | 1.885     |
| 2    | 20:00:09 | -3.366  | 8384.000 | 0.000   | 1286.000  | 41450.000 | 40640.000 | 71.722%   | 2.009     |
| 3    | 20:00:51 | -3.452  | 8362.000 | 0.000   | 1286.000  | 40670.000 | 41050.000 | 72.073%   | 1.638     |
| X    |          | -3.328  | 8378.000 | 0.000   | 1282.000  | 40750.000 | 40710.000 | 71.592%   | 1.844     |
| σ    |          | 0.146   | 14.390   | 0.000   | 6.502     | 658.300   | 316.400   | 0.557%    | 0.189     |
| %RSD |          | 4.393   | 0.172    | 0.000   | 0.507     | 1.615     | 0.777     | 0.778     | 10.240    |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:59:27 | -5.156  | 0.463    | 490.900 | 25550.000 | 26080.000 | 3.302     | 0.899     | 1.974     |
| 2    | 20:00:09 | -4.470  | 0.428    | 497.200 | 25350.000 | 26450.000 | 3.122     | 0.540     | 1.902     |
| 3    | 20:00:51 | -2.708  | 0.429    | 501.200 | 25360.000 | 26400.000 | 3.364     | 0.681     | 1.922     |
| X    |          | -4.111  | 0.440    | 496.400 | 25420.000 | 26310.000 | 3.263     | 0.707     | 1.933     |
| σ    |          | 1.262   | 0.020    | 5.210   | 110.300   | 199.000   | 0.126     | 0.181     | 0.037     |
| %RSD |          | 30.710  | 4.509    | 1.049   | 0.434     | 0.756     | 3.860     | 25.560    | 1.909     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:59:27 | 1.415   | 2.205    | 2.459   | 27.780    | -0.213    | -0.242    | 0.000     | 295.200   |
| 2    | 20:00:09 | 2.155   | 1.754    | 2.325   | 28.740    | -1.722    | -1.222    | 0.000     | 298.300   |
| 3    | 20:00:51 | 1.259   | 1.155    | 2.338   | 27.000    | -1.368    | 0.089     | 0.000     | 297.200   |
| X    |          | 1.610   | 1.705    | 2.374   | 27.840    | -1.101    | -0.458    | 0.000     | 296.900   |
| σ    |          | 0.479   | 0.527    | 0.074   | 0.869     | 0.789     | 0.681     | 0.000     | 1.527     |
| %RSD |          | 29.740  | 30.910   | 3.119   | 3.122     | 71.680    | 148.600   | 0.000     | 0.514     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:59:27 | 73.357% | 15.860   | 17.510  | 72.207%   | 0.004     | -0.001    | -0.185    | -0.226    |
| 2    | 20:00:09 | 74.228% | 16.850   | 16.920  | 73.973%   | -0.006    | 0.009     | 0.032     | -0.048    |
| 3    | 20:00:51 | 75.744% | 16.870   | 17.080  | 74.340%   | 0.004     | -0.002    | -0.101    | -0.140    |
| X    |          | 74.443% | 16.530   | 17.170  | 73.507%   | 0.000     | 0.002     | -0.085    | -0.138    |
| σ    |          | 1.207%  | 0.576    | 0.303   | 1.140%    | 0.006     | 0.006     | 0.109     | 0.089     |
| %RSD |          | 1.622   | 3.488    | 1.767   | 1.551     | 1605.000  | 293.800   | 128.700   | 64.380    |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 19:59:27 | 77.052% | 8.171    | 0.119   | 0.023     | 93.870    | 92.030    | 84.590%   | 85.913%   |
| 2    | 20:00:09 | 78.752% | 8.248    | 0.116   | 0.036     | 97.650    | 95.530    | 86.824%   | 87.570%   |
| 3    | 20:00:51 | 80.287% | 7.218    | 0.103   | 0.128     | 93.990    | 97.180    | 88.049%   | 89.863%   |
| X    |          | 78.697% | 7.879    | 0.112   | 0.062     | 95.170    | 94.910    | 86.488%   | 87.782%   |
| σ    |          | 1.618%  | 0.574    | 0.009   | 0.057     | 2.145     | 2.632     | 1.754%    | 1.984%    |
| %RSD |          | 2.056   | 7.281    | 7.604   | 92.140    | 2.254     | 2.773     | 2.028     | 2.260     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 19:59:27 | 0.351   | 0.343    | 0.066   | 0.058     | 0.066     | 82.709%   |           |           |
| 2    | 20:00:09 | 0.292   | 0.274    | 0.009   | 0.055     | 0.042     | 86.502%   |           |           |
| 3    | 20:00:51 | 0.262   | 0.229    | 0.032   | 0.049     | 0.053     | 88.771%   |           |           |
| X    |          | 0.302   | 0.282    | 0.035   | 0.054     | 0.054     | 85.994%   |           |           |
| σ    |          | 0.045   | 0.058    | 0.029   | 0.005     | 0.012     | 3.063%    |           |           |
| %RSD |          | 14.960  | 20.390   | 80.430  | 8.900     | 22.420    | 3.562     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be       | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:03:42 | 99.376% | -0.031    | 64.460   | 66.540    | 0.000     | 47810.000 | 51960.000 | 57790.000 |
| 2    | 20:04:24 | 99.705% | -0.031    | 69.480   | 67.260    | 0.000     | 48020.000 | 52730.000 | 57870.000 |
| 3    | 20:05:05 | 98.928% | -0.031    | 68.780   | 67.560    | 0.000     | 48300.000 | 53160.000 | 58180.000 |
| X    |          | 99.336% | -0.031    | 67.570   | 67.120    | 0.000     | 48040.000 | 52620.000 | 57950.000 |
| σ    |          | 0.390%  | 0.000     | 2.719    | 0.522     | 0.000     | 250.000   | 610.000   | 207.400   |
| %RSD |          | 0.393   | 0.000     | 4.024    | 0.777     | 0.000     | 0.520     | 1.159     | 0.358     |
| Run  | Time     | 27Al    | 28Si      | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:03:42 | 39.530  | 9859.000  | 0.000    | 3340.000  | 65060.000 | 65010.000 | 75.417%   | 4.318     |
| 2    | 20:04:24 | 39.190  | 10070.000 | 0.000    | 3369.000  | 65720.000 | 65290.000 | 76.653%   | 3.635     |
| 3    | 20:05:05 | 38.540  | 10100.000 | 0.000    | 3401.000  | 65460.000 | 65650.000 | 76.920%   | 3.892     |
| X    |          | 39.090  | 10010.000 | 0.000    | 3370.000  | 65410.000 | 65310.000 | 76.330%   | 3.948     |
| σ    |          | 0.502   | 130.400   | 0.000    | 30.290    | 333.900   | 322.000   | 0.802%    | 0.345     |
| %RSD |          | 1.285   | 1.303     | 0.000    | 0.899     | 0.510     | 0.493     | 1.050     | 8.736     |
| Run  | Time     | 51V     | 52Cr      | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:03:42 | -4.337  | 0.870     | 2628.000 | 16140.000 | 16540.000 | 47.470    | 19.540    | 2.406     |
| 2    | 20:04:24 | -2.800  | 0.990     | 2667.000 | 16030.000 | 16750.000 | 48.050    | 20.670    | 2.506     |
| 3    | 20:05:05 | -3.743  | 0.931     | 2661.000 | 15950.000 | 16690.000 | 47.920    | 22.980    | 2.803     |
| X    |          | -3.627  | 0.930     | 2652.000 | 16040.000 | 16660.000 | 47.810    | 21.060    | 2.572     |
| σ    |          | 0.775   | 0.060     | 21.100   | 93.930    | 104.900   | 0.307     | 1.754     | 0.206     |
| %RSD |          | 21.370  | 6.462     | 0.796    | 0.586     | 0.630     | 0.643     | 8.329     | 8.013     |
| Run  | Time     | 65Cu    | 66Zn      | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:03:42 | 2.561   | 7.088     | 8.510    | 1.155     | -0.897    | -2.195    | 0.000     | 544.000   |
| 2    | 20:04:24 | 2.764   | 8.176     | 8.132    | 0.088     | -1.110    | -1.045    | 0.000     | 543.200   |
| 3    | 20:05:05 | 2.314   | 7.742     | 8.274    | 3.545     | -0.735    | -0.260    | 0.000     | 545.800   |
| X    |          | 2.546   | 7.669     | 8.306    | 1.596     | -0.914    | -1.167    | 0.000     | 544.300   |
| σ    |          | 0.225   | 0.547     | 0.191    | 1.770     | 0.188     | 0.973     | 0.000     | 1.322     |
| %RSD |          | 8.847   | 7.137     | 2.300    | 110.900   | 20.550    | 83.420    | 0.000     | 0.243     |
| Run  | Time     | 89Y     | 95Mo      | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:03:42 | 76.244% | 1.129     | 1.215    | 74.957%   | 0.024     | 0.014     | 0.066     | -0.051    |
| 2    | 20:04:24 | 78.666% | 1.153     | 1.160    | 77.345%   | 0.003     | -0.002    | 0.003     | -0.180    |
| 3    | 20:05:05 | 78.620% | 1.066     | 1.119    | 77.978%   | -0.002    | 0.003     | -0.049    | -0.133    |
| X    |          | 77.843% | 1.116     | 1.165    | 76.760%   | 0.008     | 0.005     | 0.007     | -0.122    |
| σ    |          | 1.385%  | 0.045     | 0.048    | 1.593%    | 0.013     | 0.008     | 0.058     | 0.065     |
| %RSD |          | 1.779   | 4.019     | 4.143    | 2.076     | 159.400   | 155.100   | 870.200   | 53.700    |
| Run  | Time     | 115In   | 118Sn     | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:03:42 | 80.007% | 6.906     | 0.150    | 0.109     | 86.540    | 83.800    | 86.715%   | 89.410%   |
| 2    | 20:04:24 | 83.086% | 7.386     | 0.078    | 0.148     | 85.600    | 86.480    | 91.386%   | 91.836%   |
| 3    | 20:05:05 | 83.030% | 7.129     | 0.129    | 0.090     | 85.520    | 83.980    | 91.345%   | 92.321%   |
| X    |          | 82.041% | 7.140     | 0.119    | 0.116     | 85.890    | 84.750    | 89.815%   | 91.189%   |
| σ    |          | 1.762%  | 0.240     | 0.037    | 0.030     | 0.564     | 1.498     | 2.685%    | 1.560%    |
| %RSD |          | 2.147   | 3.363     | 31.100   | 25.660    | 0.656     | 1.768     | 2.990     | 1.710     |
| Run  | Time     | 203Tl   | 205Tl     | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 20:03:42 | 0.209   | 0.200     | 0.458    | 0.449     | 0.492     | 85.981%   |           |           |
| 2    | 20:04:24 | 0.209   | 0.214     | 0.559    | 0.458     | 0.519     | 89.509%   |           |           |
| 3    | 20:05:05 | 0.186   | 0.179     | 0.539    | 0.461     | 0.513     | 91.123%   |           |           |
| X    |          | 0.202   | 0.198     | 0.519    | 0.456     | 0.508     | 88.871%   |           |           |
| σ    |          | 0.013   | 0.018     | 0.053    | 0.006     | 0.015     | 2.630%    |           |           |
| %RSD |          | 6.603   | 8.909     | 10.250   | 1.333     | 2.856     | 2.959     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na      | 25Mg     | 26Mg     |
|------|----------|---------|----------|---------|-----------|-----------|-----------|----------|----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:07:57 | 94.165% | 0.036    | 32.380  | 31.380    | 0.000     | 11540.000 | 3920.000 | 3939.000 |
| 2    | 20:08:39 | 95.293% | -0.031   | 30.600  | 32.180    | 0.000     | 11410.000 | 3914.000 | 3931.000 |
| 3    | 20:09:21 | 95.348% | 0.002    | 33.550  | 31.770    | 0.000     | 11410.000 | 3885.000 | 3916.000 |
| X    |          | 94.935% | 0.002    | 32.180  | 31.780    | 0.000     | 11450.000 | 3906.000 | 3929.000 |
| σ    |          | 0.668%  | 0.033    | 1.487   | 0.400     | 0.000     | 75.490    | 18.740   | 11.860   |
| %RSD |          | 0.704   | 1439.000 | 4.621   | 1.259     | 0.000     | 0.659     | 0.480    | 0.302    |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:07:57 | 76.120  | 4673.000 | 0.000   | 5112.000  | 27960.000 | 28350.000 | 71.419%  | 4.708    |
| 2    | 20:08:39 | 72.620  | 4660.000 | 0.000   | 5167.000  | 28640.000 | 28320.000 | 71.600%  | 5.343    |
| 3    | 20:09:21 | 73.110  | 4633.000 | 0.000   | 5154.000  | 29160.000 | 28280.000 | 71.825%  | 5.399    |
| X    |          | 73.950  | 4656.000 | 0.000   | 5144.000  | 28590.000 | 28320.000 | 71.615%  | 5.150    |
| σ    |          | 1.895   | 20.460   | 0.000   | 28.860    | 601.000   | 37.980    | 0.203%   | 0.384    |
| %RSD |          | 2.562   | 0.440    | 0.000   | 0.561     | 2.102     | 0.134     | 0.284    | 7.456    |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:07:57 | -3.286  | 1.395    | 237.500 | 13600.000 | 13620.000 | 0.195     | 5.267    | 6.403    |
| 2    | 20:08:39 | -3.443  | 1.414    | 235.500 | 13410.000 | 13540.000 | 0.229     | 4.738    | 6.378    |
| 3    | 20:09:21 | -1.246  | 1.306    | 236.900 | 13360.000 | 13660.000 | 0.210     | 4.461    | 6.489    |
| X    |          | -2.658  | 1.372    | 236.600 | 13460.000 | 13610.000 | 0.211     | 4.822    | 6.423    |
| σ    |          | 1.225   | 0.058    | 1.009   | 123.600   | 59.270    | 0.017     | 0.410    | 0.058    |
| %RSD |          | 46.090  | 4.217    | 0.426   | 0.919     | 0.436     | 8.084     | 8.501    | 0.909    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:07:57 | 6.159   | 58.610   | 61.340  | -0.596    | -0.336    | -0.385    | 0.000    | 271.600  |
| 2    | 20:08:39 | 6.300   | 57.280   | 60.500  | 0.873     | -1.330    | 0.276     | 0.000    | 269.700  |
| 3    | 20:09:21 | 6.451   | 60.210   | 62.610  | 0.451     | -1.069    | -0.954    | 0.000    | 270.900  |
| X    |          | 6.303   | 58.700   | 61.480  | 0.243     | -0.912    | -0.354    | 0.000    | 270.700  |
| σ    |          | 0.146   | 1.467    | 1.063   | 0.757     | 0.515     | 0.616     | 0.000    | 0.979    |
| %RSD |          | 2.319   | 2.499    | 1.729   | 311.900   | 56.530    | 173.800   | 0.000    | 0.361    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:07:57 | 72.904% | 0.462    | 0.249   | 72.955%   | 0.004     | -0.007    | 0.239    | 0.251    |
| 2    | 20:08:39 | 74.545% | 0.331    | 0.283   | 74.261%   | -0.001    | -0.007    | 0.266    | 0.229    |
| 3    | 20:09:21 | 74.604% | 0.244    | 0.246   | 74.393%   | 0.014     | -0.007    | 0.008    | 0.062    |
| X    |          | 74.018% | 0.346    | 0.259   | 73.870%   | 0.005     | -0.007    | 0.171    | 0.180    |
| σ    |          | 0.965%  | 0.110    | 0.020   | 0.795%    | 0.008     | 0.000     | 0.142    | 0.103    |
| %RSD |          | 1.304   | 31.770   | 7.781   | 1.076     | 142.300   | 0.000     | 82.740   | 57.330   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:07:57 | 77.500% | 5.853    | 0.324   | 0.287     | 43.820    | 41.820    | 83.815%  | 85.114%  |
| 2    | 20:08:39 | 78.974% | 5.497    | 0.302   | 0.254     | 43.710    | 43.430    | 84.995%  | 86.263%  |
| 3    | 20:09:21 | 78.946% | 6.070    | 0.306   | 0.355     | 44.900    | 42.740    | 87.098%  | 87.557%  |
| X    |          | 78.473% | 5.806    | 0.311   | 0.299     | 44.140    | 42.670    | 85.303%  | 86.311%  |
| σ    |          | 0.843%  | 0.289    | 0.012   | 0.051     | 0.654     | 0.806     | 1.663%   | 1.222%   |
| %RSD |          | 1.074   | 4.984    | 3.785   | 17.230    | 1.481     | 1.890     | 1.950    | 1.416    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi     |          |          |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       |          |          |
| 1    | 20:07:57 | 0.152   | 0.115    | 0.961   | 0.834     | 0.935     | 84.601%   |          |          |
| 2    | 20:08:39 | 0.122   | 0.104    | 0.939   | 0.971     | 0.975     | 86.888%   |          |          |
| 3    | 20:09:21 | 0.103   | 0.112    | 1.036   | 0.846     | 0.943     | 88.173%   |          |          |
| X    |          | 0.126   | 0.111    | 0.979   | 0.884     | 0.951     | 86.554%   |          |          |
| σ    |          | 0.025   | 0.006    | 0.051   | 0.076     | 0.021     | 1.809%    |          |          |
| %RSD |          | 19.760  | 5.431    | 5.183   | 8.581     | 2.243     | 2.090     |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be     | 10B     | 11B     | 13C     | 23Na    | 25Mg    | 26Mg    |
|------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
|      |          | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:12:12 | 96.920%  | -0.031  | 3.892   | 4.174   | 0.000   | -62.800 | 5.477   | 5.681   |
| 2    | 20:12:54 | 101.089% | 0.000   | 5.630   | 3.636   | 0.000   | -69.940 | 1.468   | 1.033   |
| 3    | 20:13:36 | 100.978% | -0.031  | 3.711   | 3.924   | 0.000   | -55.550 | 8.097   | 8.153   |
| X    |          | 99.662%  | -0.020  | 4.411   | 3.911   | 0.000   | -62.760 | 5.014   | 4.956   |
| σ    |          | 2.375%   | 0.018   | 1.059   | 0.270   | 0.000   | 7.195   | 3.339   | 3.615   |
| %RSD |          | 2.384    | 87.700  | 24.010  | 6.892   | 0.000   | 11.460  | 66.590  | 72.950  |
| Run  | Time     | 27Al     | 28Si    | 37Cl    | 39K     | 43Ca    | 44Ca    | 45Sc    | 47Ti    |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:12:12 | -2.727   | 18.280  | 0.000   | 2.239   | 21.110  | 21.120  | 73.868% | 0.967   |
| 2    | 20:12:54 | -3.296   | 16.460  | 0.000   | 0.442   | 26.890  | 10.770  | 74.340% | 0.680   |
| 3    | 20:13:36 | -2.921   | 17.810  | 0.000   | 3.747   | 32.560  | 30.670  | 74.989% | 0.466   |
| X    |          | -2.981   | 17.510  | 0.000   | 2.143   | 26.850  | 20.860  | 74.399% | 0.704   |
| σ    |          | 0.289    | 0.943   | 0.000   | 1.654   | 5.729   | 9.955   | 0.563%  | 0.251   |
| %RSD |          | 9.688    | 5.386   | 0.000   | 77.200  | 21.330  | 47.730  | 0.757   | 35.630  |
| Run  | Time     | 51V      | 52Cr    | 55Mn    | 56Fe    | 57Fe    | 59Co    | 60Ni    | 63Cu    |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:12:12 | -4.402   | 0.814   | 0.305   | 16.020  | 26.520  | 0.003   | 0.064   | 1.492   |
| 2    | 20:12:54 | -5.946   | 0.818   | 0.178   | 8.577   | 14.840  | -0.007  | 0.063   | 1.564   |
| 3    | 20:13:36 | -7.046   | 0.761   | 0.438   | 10.650  | 18.220  | -0.024  | 0.154   | 1.430   |
| X    |          | -5.798   | 0.798   | 0.307   | 11.750  | 19.860  | -0.009  | 0.094   | 1.495   |
| σ    |          | 1.328    | 0.032   | 0.130   | 3.841   | 6.008   | 0.014   | 0.052   | 0.067   |
| %RSD |          | 22.910   | 3.971   | 42.290  | 32.690  | 30.260  | 144.600 | 55.300  | 4.480   |
| Run  | Time     | 65Cu     | 66Zn    | 68Zn    | 75As    | 78Se    | 82Se    | 83Kr    | 88Sr    |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:12:12 | 0.849    | 0.572   | 0.390   | -0.654  | -1.107  | -2.598  | 0.000   | 0.173   |
| 2    | 20:12:54 | 1.712    | 0.332   | 0.638   | -0.932  | -1.270  | -1.405  | 0.000   | 0.110   |
| 3    | 20:13:36 | 1.541    | 0.734   | 0.486   | 0.323   | -2.314  | 0.422   | 0.000   | 0.289   |
| X    |          | 1.367    | 0.546   | 0.505   | -0.421  | -1.564  | -1.194  | 0.000   | 0.191   |
| σ    |          | 0.457    | 0.202   | 0.125   | 0.659   | 0.655   | 1.521   | 0.000   | 0.091   |
| %RSD |          | 33.420   | 36.990  | 24.750  | 156.700 | 41.870  | 127.400 | 0.000   | 47.530  |
| Run  | Time     | 89Y      | 95Mo    | 98Mo    | 103Rh   | 107Ag   | 109Ag   | 111Cd   | 114Cd   |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:12:12 | 75.147%  | 0.009   | 0.046   | 76.073% | 0.008   | 0.009   | 0.058   | -0.027  |
| 2    | 20:12:54 | 76.118%  | -0.065  | -0.053  | 77.198% | 0.028   | -0.007  | -0.087  | -0.079  |
| 3    | 20:13:36 | 76.320%  | -0.011  | 0.108   | 77.594% | 0.008   | 0.014   | -0.174  | -0.164  |
| X    |          | 75.862%  | -0.022  | 0.034   | 76.955% | 0.015   | 0.005   | -0.067  | -0.090  |
| σ    |          | 0.627%   | 0.039   | 0.081   | 0.789%  | 0.011   | 0.011   | 0.117   | 0.069   |
| %RSD |          | 0.826    | 173.200 | 238.300 | 1.025   | 75.920  | 204.300 | 174.100 | 77.130  |
| Run  | Time     | 115In    | 118Sn   | 121Sb   | 123Sb   | 135Ba   | 137Ba   | 159Tb   | 165Ho   |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:12:12 | 79.958%  | 4.923   | 0.077   | 0.021   | -0.010  | 0.171   | 85.565% | 85.909% |
| 2    | 20:12:54 | 81.104%  | 5.189   | 0.029   | 0.027   | 0.042   | -0.018  | 85.526% | 87.849% |
| 3    | 20:13:36 | 80.556%  | 5.417   | 0.030   | 0.034   | 0.041   | 0.075   | 87.309% | 87.254% |
| X    |          | 80.539%  | 5.176   | 0.045   | 0.028   | 0.025   | 0.076   | 86.133% | 87.004% |
| σ    |          | 0.573%   | 0.247   | 0.028   | 0.006   | 0.030   | 0.095   | 1.018%  | 0.994%  |
| %RSD |          | 0.711    | 4.774   | 60.880  | 23.290  | 122.000 | 125.000 | 1.182   | 1.142   |
| Run  | Time     | 203Tl    | 205Tl   | 206Pb   | 207Pb   | 208Pb   | 209Bi   |         |         |
|      |          | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     |         |         |
| 1    | 20:12:12 | 0.117    | 0.073   | 0.016   | 0.031   | 0.019   | 86.554% |         |         |
| 2    | 20:12:54 | 0.080    | 0.086   | 0.001   | 0.014   | 0.010   | 88.514% |         |         |
| 3    | 20:13:36 | 0.086    | 0.080   | 0.005   | -0.006  | 0.008   | 88.360% |         |         |
| X    |          | 0.094    | 0.079   | 0.007   | 0.013   | 0.012   | 87.809% |         |         |
| σ    |          | 0.020    | 0.006   | 0.008   | 0.018   | 0.006   | 1.090%  |         |         |
| %RSD |          | 21.080   | 8.152   | 105.700 | 139.700 | 47.330  | 1.241   |         |         |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B    | 11B      | 13C     | 23Na    | 25Mg    | 26Mg    |
|------|----------|---------|---------|--------|----------|---------|---------|---------|---------|
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:16:28 | 95.964% | -0.031  | 3.951  | 3.394    | 0.000   | 55.730  | 1.412   | 1.614   |
| 2    | 20:17:10 | 97.624% | -0.031  | 2.591  | 3.975    | 0.000   | 61.370  | 3.144   | 3.443   |
| 3    | 20:17:51 | 99.953% | -0.031  | 4.907  | 3.168    | 0.000   | 61.730  | 3.416   | 4.946   |
| X    |          | 97.847% | -0.031  | 3.816  | 3.512    | 0.000   | 59.610  | 2.658   | 3.334   |
| σ    |          | 2.004%  | 0.000   | 1.164  | 0.416    | 0.000   | 3.367   | 1.087   | 1.669   |
| %RSD |          | 2.048   | 0.000   | 30.500 | 11.850   | 0.000   | 5.648   | 40.900  | 50.050  |
| Run  | Time     | 27Al    | 28Si    | 37Cl   | 39K      | 43Ca    | 44Ca    | 45Sc    | 47Ti    |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:16:28 | -3.624  | 100.400 | 0.000  | 1.303    | 34.020  | 49.920  | 72.067% | 0.489   |
| 2    | 20:17:10 | -3.689  | 100.200 | 0.000  | 1.199    | 21.550  | 58.480  | 72.466% | 0.414   |
| 3    | 20:17:51 | -3.813  | 100.600 | 0.000  | 3.314    | 51.400  | 43.970  | 73.474% | 0.549   |
| X    |          | -3.709  | 100.400 | 0.000  | 1.939    | 35.660  | 50.790  | 72.669% | 0.484   |
| σ    |          | 0.096   | 0.222   | 0.000  | 1.192    | 15.000  | 7.294   | 0.725%  | 0.068   |
| %RSD |          | 2.589   | 0.221   | 0.000  | 61.490   | 42.060  | 14.360  | 0.997   | 13.960  |
| Run  | Time     | 51V     | 52Cr    | 55Mn   | 56Fe     | 57Fe    | 59Co    | 60Ni    | 63Cu    |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:16:28 | -5.809  | 0.839   | 0.144  | 6.019    | 10.710  | -0.024  | 0.068   | 1.307   |
| 2    | 20:17:10 | -5.848  | 0.865   | 0.209  | 6.278    | 11.900  | -0.010  | 0.232   | 1.650   |
| 3    | 20:17:51 | -5.535  | 1.014   | 0.176  | 6.036    | 9.756   | -0.019  | 0.182   | 1.656   |
| X    |          | -5.731  | 0.906   | 0.176  | 6.111    | 10.790  | -0.018  | 0.160   | 1.538   |
| σ    |          | 0.171   | 0.094   | 0.032  | 0.145    | 1.072   | 0.007   | 0.084   | 0.200   |
| %RSD |          | 2.981   | 10.410  | 18.270 | 2.379    | 9.937   | 38.340  | 52.320  | 12.980  |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn   | 75As     | 78Se    | 82Se    | 83Kr    | 88Sr    |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:16:28 | 1.700   | 0.846   | 1.105  | -2.269   | -1.268  | -1.812  | 0.000   | 0.111   |
| 2    | 20:17:10 | 1.624   | 0.905   | 0.930  | 1.507    | -1.858  | -1.609  | 0.000   | 0.139   |
| 3    | 20:17:51 | 1.586   | 0.817   | 0.734  | 0.498    | -1.999  | -1.377  | 0.000   | 0.230   |
| X    |          | 1.637   | 0.856   | 0.923  | -0.088   | -1.708  | -1.599  | 0.000   | 0.160   |
| σ    |          | 0.058   | 0.045   | 0.186  | 1.955    | 0.388   | 0.218   | 0.000   | 0.062   |
| %RSD |          | 3.547   | 5.240   | 20.090 | 2221.000 | 22.700  | 13.620  | 0.000   | 38.930  |
| Run  | Time     | 89Y     | 95Mo    | 98Mo   | 103Rh    | 107Ag   | 109Ag   | 111Cd   | 114Cd   |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:16:28 | 72.205% | -0.126  | -0.075 | 73.207%  | 0.004   | -0.007  | 0.014   | -0.041  |
| 2    | 20:17:10 | 74.096% | -0.101  | -0.071 | 74.632%  | 0.014   | 0.009   | -0.137  | -0.153  |
| 3    | 20:17:51 | 74.087% | -0.231  | -0.045 | 75.001%  | -0.001  | -0.007  | -0.028  | -0.146  |
| X    |          | 73.463% | -0.153  | -0.064 | 74.280%  | 0.005   | -0.002  | -0.051  | -0.113  |
| σ    |          | 1.089%  | 0.069   | 0.016  | 0.947%   | 0.008   | 0.009   | 0.078   | 0.063   |
| %RSD |          | 1.482   | 45.300  | 25.210 | 1.275    | 142.200 | 622.600 | 153.900 | 55.630  |
| Run  | Time     | 115In   | 118Sn   | 121Sb  | 123Sb    | 135Ba   | 137Ba   | 159Tb   | 165Ho   |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb     | ppb     | ppb     |
| 1    | 20:16:28 | 75.635% | 4.470   | 0.033  | 0.017    | 0.167   | 0.052   | 80.378% | 81.883% |
| 2    | 20:17:10 | 77.980% | 4.632   | 0.048  | 0.030    | -0.034  | 0.097   | 82.657% | 83.850% |
| 3    | 20:17:51 | 78.625% | 4.458   | 0.052  | 0.064    | 0.047   | 0.031   | 83.054% | 84.676% |
| X    |          | 77.413% | 4.520   | 0.044  | 0.037    | 0.060   | 0.060   | 82.030% | 83.470% |
| σ    |          | 1.573%  | 0.097   | 0.010  | 0.024    | 0.101   | 0.034   | 1.444%  | 1.435%  |
| %RSD |          | 2.032   | 2.150   | 22.710 | 64.990   | 169.100 | 55.920  | 1.761   | 1.719   |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb  | 207Pb    | 208Pb   | 209Bi   |         |         |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb     |         |         |
| 1    | 20:16:28 | 0.095   | 0.090   | -0.000 | 0.035    | 0.019   | 81.052% |         |         |
| 2    | 20:17:10 | 0.047   | 0.045   | 0.017  | 0.004    | 0.017   | 84.172% |         |         |
| 3    | 20:17:51 | 0.061   | 0.076   | 0.013  | 0.008    | 0.015   | 84.301% |         |         |
| X    |          | 0.068   | 0.070   | 0.010  | 0.015    | 0.017   | 83.175% |         |         |
| σ    |          | 0.025   | 0.023   | 0.009  | 0.017    | 0.002   | 1.840%  |         |         |
| %RSD |          | 36.930  | 32.720  | 89.010 | 110.200  | 12.810  | 2.212   |         |         |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B      | 13C       | 23Na      | 25Mg    | 26Mg    |
|------|----------|---------|----------|---------|----------|-----------|-----------|---------|---------|
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb     | ppb     |
| 1    | 20:20:44 | 92.910% | 0.003    | 16.700  | 12.890   | 0.000     | 2492.000  | 880.500 | 864.500 |
| 2    | 20:21:26 | 95.637% | 0.035    | 13.500  | 14.330   | 0.000     | 2520.000  | 868.600 | 870.900 |
| 3    | 20:22:08 | 96.826% | 0.002    | 15.590  | 13.220   | 0.000     | 2510.000  | 870.000 | 878.700 |
| X    |          | 95.124% | 0.013    | 15.270  | 13.480   | 0.000     | 2507.000  | 873.000 | 871.300 |
| σ    |          | 2.008%  | 0.019    | 1.623   | 0.757    | 0.000     | 14.000    | 6.505   | 7.112   |
| %RSD |          | 2.111   | 143.400  | 10.630  | 5.613    | 0.000     | 0.559     | 0.745   | 0.816   |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K      | 43Ca      | 44Ca      | 45Sc    | 47Ti    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb     | ppb     |
| 1    | 20:20:44 | 343.100 | 2551.000 | 0.000   | 2843.000 | 12160.000 | 11580.000 | 70.391% | 9.348   |
| 2    | 20:21:26 | 342.100 | 2550.000 | 0.000   | 2879.000 | 11600.000 | 11690.000 | 70.940% | 8.175   |
| 3    | 20:22:08 | 349.100 | 2579.000 | 0.000   | 2925.000 | 11820.000 | 11910.000 | 70.920% | 9.851   |
| X    |          | 344.800 | 2560.000 | 0.000   | 2882.000 | 11860.000 | 11720.000 | 70.751% | 9.124   |
| σ    |          | 3.817   | 16.330   | 0.000   | 41.110   | 282.600   | 166.700   | 0.311%  | 0.860   |
| %RSD |          | 1.107   | 0.638    | 0.000   | 1.426    | 2.383     | 1.422     | 0.440   | 9.427   |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe     | 57Fe      | 59Co      | 60Ni    | 63Cu    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb     | ppb     |
| 1    | 20:20:44 | -1.732  | 2.101    | 116.800 | 6208.000 | 6181.000  | 0.198     | 0.565   | 2.853   |
| 2    | 20:21:26 | -2.801  | 2.158    | 117.400 | 5146.000 | 6159.000  | 0.164     | 0.851   | 3.352   |
| 3    | 20:22:08 | -2.318  | 2.007    | 118.700 | 5239.000 | 6318.000  | 0.176     | 0.915   | 3.625   |
| X    |          | -2.284  | 2.089    | 117.600 | 5531.000 | 6219.000  | 0.179     | 0.777   | 3.277   |
| σ    |          | 0.535   | 0.076    | 0.963   | 588.000  | 86.510    | 0.017     | 0.186   | 0.392   |
| %RSD |          | 23.440  | 3.661    | 0.819   | 10.630   | 1.391     | 9.705     | 23.980  | 11.950  |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As     | 78Se      | 82Se      | 83Kr    | 88Sr    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb     | ppb     |
| 1    | 20:20:44 | 2.874   | 8.675    | 10.980  | -0.333   | -1.651    | -0.132    | 0.000   | 90.930  |
| 2    | 20:21:26 | 3.510   | 9.314    | 11.100  | 1.286    | -1.145    | -1.105    | 0.000   | 91.220  |
| 3    | 20:22:08 | 2.954   | 10.130   | 11.020  | 1.375    | -1.187    | -1.096    | 0.000   | 91.440  |
| X    |          | 3.113   | 9.372    | 11.030  | 0.776    | -1.328    | -0.778    | 0.000   | 91.200  |
| σ    |          | 0.346   | 0.729    | 0.058   | 0.961    | 0.281     | 0.560     | 0.000   | 0.258   |
| %RSD |          | 11.130  | 7.777    | 0.526   | 123.900  | 21.150    | 71.950    | 0.000   | 0.283   |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh    | 107Ag     | 109Ag     | 111Cd   | 114Cd   |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb     | ppb     |
| 1    | 20:20:44 | 71.820% | -0.079   | -0.018  | 72.359%  | -0.001    | 0.004     | -0.129  | -0.029  |
| 2    | 20:21:26 | 73.020% | 0.093    | 0.148   | 73.320%  | 0.004     | 0.010     | -0.139  | -0.089  |
| 3    | 20:22:08 | 74.413% | 0.115    | -0.000  | 74.396%  | -0.001    | -0.002    | -0.034  | -0.085  |
| X    |          | 73.084% | 0.043    | 0.043   | 73.358%  | 0.000     | 0.004     | -0.100  | -0.068  |
| σ    |          | 1.298%  | 0.107    | 0.091   | 1.019%   | 0.003     | 0.006     | 0.057   | 0.033   |
| %RSD |          | 1.776   | 248.100  | 211.800 | 1.389    | 768.100   | 136.600   | 57.230  | 49.120  |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb    | 135Ba     | 137Ba     | 159Tb   | 165Ho   |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb     | ppb     |
| 1    | 20:20:44 | 76.090% | 3.970    | 0.088   | 0.116    | 10.840    | 11.690    | 82.411% | 82.969% |
| 2    | 20:21:26 | 77.641% | 4.360    | 0.123   | 0.092    | 10.740    | 10.890    | 84.872% | 85.657% |
| 3    | 20:22:08 | 79.869% | 4.277    | 0.135   | 0.069    | 12.100    | 11.090    | 85.754% | 86.816% |
| X    |          | 77.867% | 4.203    | 0.115   | 0.092    | 11.230    | 11.220    | 84.345% | 85.148% |
| σ    |          | 1.900%  | 0.206    | 0.025   | 0.024    | 0.759     | 0.417     | 1.732%  | 1.974%  |
| %RSD |          | 2.439   | 4.895    | 21.400  | 25.680   | 6.761     | 3.714     | 2.054   | 2.318   |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb    | 208Pb     | 209Bi     |         |         |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       |         |         |
| 1    | 20:20:44 | 0.054   | 0.067    | 1.583   | 1.566    | 1.570     | 82.614%   |         |         |
| 2    | 20:21:26 | 0.059   | 0.067    | 1.625   | 1.586    | 1.636     | 86.127%   |         |         |
| 3    | 20:22:08 | 0.064   | 0.057    | 1.586   | 1.516    | 1.563     | 87.853%   |         |         |
| X    |          | 0.059   | 0.064    | 1.598   | 1.556    | 1.590     | 85.531%   |         |         |
| σ    |          | 0.005   | 0.006    | 0.023   | 0.036    | 0.040     | 2.670%    |         |         |
| %RSD |          | 8.424   | 8.759    | 1.454   | 2.337    | 2.546     | 3.121     |         |         |



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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na      | 25Mg     | 26Mg     |
|------|----------|---------|----------|---------|-----------|-----------|-----------|----------|----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:25:01 | 91.016% | -0.031   | 52.920  | 51.630    | 0.000     | 67420.000 | 5304.000 | 5271.000 |
| 2    | 20:25:43 | 94.711% | 0.002    | 53.220  | 51.320    | 0.000     | 66200.000 | 5277.000 | 5284.000 |
| 3    | 20:26:24 | 93.892% | 0.036    | 55.390  | 50.700    | 0.000     | 66780.000 | 5323.000 | 5318.000 |
| X    |          | 93.206% | 0.002    | 53.840  | 51.220    | 0.000     | 66800.000 | 5301.000 | 5291.000 |
| σ    |          | 1.941%  | 0.033    | 1.349   | 0.471     | 0.000     | 609.900   | 22.950   | 24.580   |
| %RSD |          | 2.082   | 1345.000 | 2.505   | 0.920     | 0.000     | 0.913     | 0.433    | 0.465    |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:25:01 | 295.700 | 4995.000 | 0.000   | 4612.000  | 34130.000 | 34140.000 | 69.918%  | 12.820   |
| 2    | 20:25:43 | 298.200 | 4987.000 | 0.000   | 4676.000  | 33990.000 | 34480.000 | 70.195%  | 10.920   |
| 3    | 20:26:24 | 295.700 | 5008.000 | 0.000   | 4661.000  | 33930.000 | 34430.000 | 70.757%  | 10.610   |
| X    |          | 296.600 | 4997.000 | 0.000   | 4650.000  | 34020.000 | 34350.000 | 70.290%  | 11.450   |
| σ    |          | 1.454   | 11.020   | 0.000   | 33.230    | 100.600   | 182.100   | 0.428%   | 1.199    |
| %RSD |          | 0.490   | 0.221    | 0.000   | 0.715     | 0.296     | 0.530     | 0.608    | 10.470   |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:25:01 | -1.319  | 4.843    | 206.400 | 13210.000 | 13040.000 | 0.227     | 1.100    | 7.239    |
| 2    | 20:25:43 | -2.063  | 5.082    | 208.900 | 13260.000 | 13320.000 | 0.262     | 1.403    | 6.727    |
| 3    | 20:26:24 | -1.084  | 4.710    | 209.000 | 13120.000 | 13320.000 | 0.278     | 1.391    | 6.968    |
| X    |          | -1.488  | 4.878    | 208.100 | 13190.000 | 13230.000 | 0.256     | 1.298    | 6.978    |
| σ    |          | 0.511   | 0.188    | 1.468   | 69.890    | 163.900   | 0.026     | 0.172    | 0.256    |
| %RSD |          | 34.340  | 3.858    | 0.705   | 0.530     | 1.239     | 10.120    | 13.240   | 3.673    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:25:01 | 7.610   | 34.230   | 34.740  | 2.090     | -0.676    | -1.011    | 0.000    | 183.900  |
| 2    | 20:25:43 | 6.579   | 34.800   | 36.740  | 0.413     | -0.595    | -1.934    | 0.000    | 185.500  |
| 3    | 20:26:24 | 6.820   | 35.950   | 36.420  | 0.041     | -1.290    | -2.713    | 0.000    | 186.100  |
| X    |          | 7.003   | 34.990   | 35.970  | 0.848     | -0.854    | -1.886    | 0.000    | 185.200  |
| σ    |          | 0.539   | 0.875    | 1.076   | 1.092     | 0.380     | 0.852     | 0.000    | 1.155    |
| %RSD |          | 7.696   | 2.499    | 2.993   | 128.800   | 44.530    | 45.160    | 0.000    | 0.623    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:25:01 | 71.572% | 0.258    | 0.538   | 69.866%   | 0.010     | 0.022     | 0.150    | 0.079    |
| 2    | 20:25:43 | 73.016% | 0.526    | 0.717   | 71.929%   | 0.025     | 0.027     | 0.208    | 0.303    |
| 3    | 20:26:24 | 73.423% | 0.419    | 0.622   | 72.213%   | 0.004     | 0.021     | -0.053   | -0.029   |
| X    |          | 72.670% | 0.401    | 0.626   | 71.336%   | 0.013     | 0.023     | 0.102    | 0.118    |
| σ    |          | 0.972%  | 0.135    | 0.089   | 1.281%    | 0.011     | 0.003     | 0.137    | 0.169    |
| %RSD |          | 1.338   | 33.600   | 14.270  | 1.796     | 84.210    | 13.210    | 135.000  | 143.900  |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb      | ppb      |
| 1    | 20:25:01 | 74.167% | 4.579    | 0.159   | 0.214     | 14.810    | 14.890    | 80.216%  | 81.243%  |
| 2    | 20:25:43 | 76.503% | 4.975    | 0.158   | 0.220     | 14.950    | 14.720    | 84.004%  | 84.395%  |
| 3    | 20:26:24 | 76.829% | 4.768    | 0.212   | 0.206     | 15.340    | 14.690    | 83.840%  | 85.705%  |
| X    |          | 75.833% | 4.774    | 0.176   | 0.213     | 15.040    | 14.770    | 82.687%  | 83.781%  |
| σ    |          | 1.452%  | 0.198    | 0.031   | 0.007     | 0.276     | 0.110     | 2.141%   | 2.294%   |
| %RSD |          | 1.914   | 4.154    | 17.610  | 3.496     | 1.838     | 0.746     | 2.589    | 2.738    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi     |          |          |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       |          |          |
| 1    | 20:25:01 | 0.069   | 0.077    | 1.671   | 1.698     | 1.650     | 80.051%   |          |          |
| 2    | 20:25:43 | 0.059   | 0.061    | 1.728   | 1.699     | 1.775     | 82.828%   |          |          |
| 3    | 20:26:24 | 0.075   | 0.050    | 1.796   | 1.602     | 1.728     | 84.820%   |          |          |
| X    |          | 0.068   | 0.063    | 1.732   | 1.666     | 1.717     | 82.566%   |          |          |
| σ    |          | 0.008   | 0.014    | 0.062   | 0.056     | 0.063     | 2.395%    |          |          |
| %RSD |          | 11.730  | 21.640   | 3.592   | 3.352     | 3.683     | 2.901     |          |          |

CCV 664806 12/29/2012 8:31:30 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:32:11 | 77.951%  | 107.000  | 100.000  | 103.100   | 0.000     | 50860.000 | 44490.000 | 44750.000 |
| 2    | 20:32:53 | 79.404%  | 109.200  | 105.400  | 102.400   | 0.000     | 50470.000 | 44870.000 | 45060.000 |
| 3    | 20:33:35 | 78.849%  | 108.900  | 109.900  | 104.700   | 0.000     | 50820.000 | 45220.000 | 45630.000 |
| x    |          | 78.735%  | 108.387% | 105.103% | 103.383%  | 0.000     | 101.433%  | 89.716%   | 90.289%   |
| σ    |          | 0.733%   | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 0.931    | 1.105    | 4.729    | 1.166     | 0.000     | 0.421     | 0.822     | 0.987     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:32:11 | 496.600  | 5241.000 | 0.000    | 52180.000 | 51170.000 | 51010.000 | 72.918%   | 108.000   |
| 2    | 20:32:53 | 500.100  | 5264.000 | 0.000    | 51670.000 | 52250.000 | 51690.000 | 74.460%   | 105.100   |
| 3    | 20:33:35 | 506.000  | 5308.000 | 0.000    | 51550.000 | 51950.000 | 52020.000 | 75.622%   | 104.500   |
| x    |          | 100.179% | 105.416% | 0.000    | 103.596%  | 103.583%  | 103.149%  | 74.333%   | 105.855%  |
| σ    |          | n/a      | n/a      | 0.000    | n/a       | n/a       | n/a       | 1.356%    | n/a       |
| %RSD |          | 0.954    | 0.648    | 0.000    | 0.644     | 1.077     | 0.996     | 1.824     | 1.789     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:32:11 | 102.900  | 103.400  | 510.200  | 26080.000 | 25490.000 | 104.400   | 102.900   | 106.100   |
| 2    | 20:32:53 | 105.300  | 103.800  | 515.200  | 25690.000 | 25930.000 | 105.200   | 107.600   | 106.100   |
| 3    | 20:33:35 | 103.700  | 105.000  | 512.900  | 25630.000 | 25900.000 | 106.500   | 108.300   | 106.600   |
| x    |          | 103.972% | 104.076% | 102.553% | 103.193%  | 103.099%  | 105.364%  | 106.286%  | 106.250%  |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 1.173    | 0.768    | 0.493    | 0.947     | 0.944     | 1.020     | 2.778     | 0.252     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:32:11 | 104.800  | 100.900  | 106.600  | 100.800   | 94.800    | 97.780    | 0.000     | 92.400    |
| 2    | 20:32:53 | 106.100  | 102.600  | 102.400  | 101.300   | 100.300   | 99.630    | 0.000     | 91.840    |
| 3    | 20:33:35 | 103.000  | 103.000  | 102.900  | 100.700   | 98.340    | 98.080    | 0.000     | 92.480    |
| x    |          | 104.626% | 102.160% | 103.946% | 100.936%  | 97.807%   | 98.495%   | 0.000     | 92.240%   |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 1.471    | 1.109    | 2.201    | 0.326     | 2.838     | 1.010     | 0.000     | 0.377     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:32:11 | 83.034%  | 95.840   | 96.090   | 79.830%   | 96.910    | 96.700    | 96.460    | 96.670    |
| 2    | 20:32:53 | 86.284%  | 97.710   | 97.820   | 82.495%   | 98.510    | 97.520    | 97.280    | 97.950    |
| 3    | 20:33:35 | 87.890%  | 98.530   | 98.920   | 83.471%   | 97.870    | 98.220    | 98.600    | 98.190    |
| x    |          | 85.736%  | 97.358%  | 97.613%  | 81.932%   | 97.764%   | 97.481%   | 97.449%   | 97.602%   |
| σ    |          | 2.474%   | n/a      | n/a      | 1.884%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 2.886    | 1.413    | 1.461    | 2.300     | 0.828     | 0.781     | 1.106     | 0.837     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:32:11 | 81.490%  | 97.670   | 97.470   | 97.100    | 97.780    | 95.780    | 86.983%   | 87.515%   |
| 2    | 20:32:53 | 84.599%  | 100.400  | 97.880   | 97.780    | 93.110    | 96.040    | 90.139%   | 90.728%   |
| 3    | 20:33:35 | 85.925%  | 97.840   | 97.540   | 98.780    | 97.340    | 96.050    | 91.795%   | 91.735%   |
| x    |          | 84.004%  | 98.636%  | 97.631%  | 97.887%   | 96.077%   | 95.956%   | 89.639%   | 89.993%   |
| σ    |          | 2.277%   | n/a      | n/a      | n/a       | n/a       | n/a       | 2.444%    | 2.204%    |
| %RSD |          | 2.710    | 1.547    | 0.225    | 0.862     | 2.681     | 0.163     | 2.727     | 2.449     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 20:32:11 | 100.900  | 100.600  | 101.800  | 103.000   | 101.900   | 82.340%   |           |           |
| 2    | 20:32:53 | 101.900  | 101.300  | 102.300  | 102.400   | 102.600   | 85.883%   |           |           |
| 3    | 20:33:35 | 101.400  | 100.800  | 101.400  | 101.600   | 101.100   | 87.821%   |           |           |
| x    |          | 101.403% | 100.921% | 101.829% | 102.330%  | 101.904%  | 85.348%   |           |           |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | 2.779%    |           |           |
| %RSD |          | 0.463    | 0.371    | 0.422    | 0.693     | 0.723     | 3.256     |           |           |

CCB5 12/29/2012 8:38:43 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B    | 11B     | 13C     | 23Na     | 25Mg    | 26Mg    |
|------|----------|---------|---------|--------|---------|---------|----------|---------|---------|
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      | ppb     | ppb     |
| 1    | 20:39:24 | 90.034% | 0.003   | 1.801  | 2.196   | 0.000   | -48.330  | 12.240  | 13.060  |
| 2    | 20:40:06 | 91.374% | 0.036   | 1.518  | 1.580   | 0.000   | -45.860  | 15.250  | 16.650  |
| 3    | 20:40:48 | 93.560% | 0.035   | 2.293  | 1.807   | 0.000   | -55.260  | 13.040  | 12.850  |
| X    |          | 91.656% | 0.025   | 1.871  | 1.861   | 0.000   | -49.820  | 13.510  | 14.190  |
| σ    |          | 1.780%  | 0.019   | 0.392  | 0.311   | 0.000   | 4.875    | 1.559   | 2.135   |
| %RSD |          | 1.942   | 75.200  | 20.960 | 16.740  | 0.000   | 9.787    | 11.540  | 15.050  |
| Run  | Time     | 27Al    | 28Si    | 37Cl   | 39K     | 43Ca    | 44Ca     | 45Sc    | 47Ti    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      | ppb     | ppb     |
| 1    | 20:39:24 | -2.528  | 4.531   | 0.000  | 6.005   | 60.440  | 41.610   | 84.905% | 0.035   |
| 2    | 20:40:06 | -2.259  | 4.982   | 0.000  | 6.416   | 64.940  | 43.220   | 85.876% | 0.215   |
| 3    | 20:40:48 | -2.718  | 4.419   | 0.000  | 0.438   | 38.490  | 38.420   | 86.511% | 0.093   |
| X    |          | -2.502  | 4.644   | 0.000  | 4.287   | 54.620  | 41.080   | 85.764% | 0.114   |
| σ    |          | 0.230   | 0.298   | 0.000  | 3.339   | 14.160  | 2.439    | 0.809%  | 0.092   |
| %RSD |          | 9.210   | 6.415   | 0.000  | 77.890  | 25.910  | 5.937    | 0.943   | 80.490  |
| Run  | Time     | 51V     | 52Cr    | 55Mn   | 56Fe    | 57Fe    | 59Co     | 60Ni    | 63Cu    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      | ppb     | ppb     |
| 1    | 20:39:24 | -0.022  | 0.075   | 0.270  | 19.360  | 28.340  | 0.055    | 0.230   | 0.485   |
| 2    | 20:40:06 | 0.155   | -0.031  | 0.267  | 16.730  | 27.520  | 0.017    | 0.108   | 0.537   |
| 3    | 20:40:48 | 0.017   | 0.045   | 0.200  | 12.290  | 19.230  | 0.001    | 0.048   | 0.598   |
| X    |          | 0.050   | 0.030   | 0.246  | 16.130  | 25.030  | 0.024    | 0.129   | 0.540   |
| σ    |          | 0.093   | 0.054   | 0.040  | 3.573   | 5.044   | 0.028    | 0.093   | 0.056   |
| %RSD |          | 185.300 | 184.100 | 16.160 | 22.160  | 20.150  | 114.200  | 72.300  | 10.450  |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn   | 75As    | 78Se    | 82Se     | 83Kr    | 88Sr    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      | ppb     | ppb     |
| 1    | 20:39:24 | 0.479   | 0.524   | 0.568  | 0.127   | -0.591  | 0.513    | 0.000   | 0.349   |
| 2    | 20:40:06 | 0.213   | 0.206   | 0.562  | 0.175   | -0.151  | 0.035    | 0.000   | 0.418   |
| 3    | 20:40:48 | 0.528   | 0.378   | 0.491  | -0.141  | 0.160   | -0.705   | 0.000   | 0.280   |
| X    |          | 0.407   | 0.369   | 0.540  | 0.054   | -0.194  | -0.052   | 0.000   | 0.349   |
| σ    |          | 0.169   | 0.159   | 0.043  | 0.170   | 0.377   | 0.614    | 0.000   | 0.069   |
| %RSD |          | 41.660  | 43.200  | 7.888  | 317.200 | 194.800 | 1174.000 | 0.000   | 19.750  |
| Run  | Time     | 89Y     | 95Mo    | 98Mo   | 103Rh   | 107Ag   | 109Ag    | 111Cd   | 114Cd   |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      | ppb     | ppb     |
| 1    | 20:39:24 | 86.487% | 0.201   | 0.303  | 87.473% | 0.024   | 0.031    | -0.049  | -0.064  |
| 2    | 20:40:06 | 86.608% | 0.149   | 0.245  | 88.618% | 0.037   | 0.040    | 0.028   | -0.024  |
| 3    | 20:40:48 | 87.180% | 0.097   | 0.145  | 89.257% | 0.041   | 0.054    | -0.082  | -0.049  |
| X    |          | 86.758% | 0.149   | 0.231  | 88.449% | 0.034   | 0.042    | -0.034  | -0.045  |
| σ    |          | 0.370%  | 0.052   | 0.080  | 0.904%  | 0.009   | 0.011    | 0.057   | 0.020   |
| %RSD |          | 0.426   | 35.050  | 34.610 | 1.022   | 25.500  | 27.280   | 166.600 | 44.670  |
| Run  | Time     | 115In   | 118Sn   | 121Sb  | 123Sb   | 135Ba   | 137Ba    | 159Tb   | 165Ho   |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      | ppb     | ppb     |
| 1    | 20:39:24 | 87.270% | 0.686   | 0.031  | 0.017   | 0.083   | 0.111    | 89.934% | 89.871% |
| 2    | 20:40:06 | 87.899% | 1.276   | 0.064  | 0.048   | -0.018  | 0.124    | 91.263% | 90.824% |
| 3    | 20:40:48 | 89.011% | 1.338   | 0.049  | 0.029   | 0.031   | 0.123    | 90.517% | 91.744% |
| X    |          | 88.060% | 1.100   | 0.048  | 0.031   | 0.032   | 0.119    | 90.571% | 90.813% |
| σ    |          | 0.882%  | 0.360   | 0.017  | 0.015   | 0.050   | 0.007    | 0.666%  | 0.936%  |
| %RSD |          | 1.001   | 32.720  | 34.780 | 49.530  | 160.000 | 6.007    | 0.736   | 1.031   |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb  | 207Pb   | 208Pb   | 209Bi    |         |         |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb      |         |         |
| 1    | 20:39:24 | 0.124   | 0.100   | 0.027  | 0.047   | 0.048   | 91.126%  |         |         |
| 2    | 20:40:06 | 0.078   | 0.071   | 0.026  | 0.046   | 0.040   | 92.587%  |         |         |
| 3    | 20:40:48 | 0.094   | 0.090   | 0.023  | 0.060   | 0.046   | 93.328%  |         |         |
| X    |          | 0.099   | 0.087   | 0.025  | 0.051   | 0.045   | 92.347%  |         |         |
| σ    |          | 0.023   | 0.015   | 0.002  | 0.008   | 0.004   | 1.121%   |         |         |
| %RSD |          | 23.480  | 17.030  | 9.473  | 15.550  | 9.022   | 1.214    |         |         |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na       | 25Mg     | 26Mg     |
|------|----------|---------|----------|---------|-----------|-----------|------------|----------|----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb      | ppb      |
| 1    | 20:43:42 | 92.838% | 0.003    | 99.880  | 93.390    | 0.000     | 269200.000 | 8374.000 | 8366.000 |
| 2    | 20:44:24 | 95.625% | 0.002    | 97.310  | 93.370    | 0.000     | 264100.000 | 8322.000 | 8346.000 |
| 3    | 20:45:06 | 96.272% | 0.002    | 95.510  | 94.590    | 0.000     | 263100.000 | 8385.000 | 8379.000 |
| X    |          | 94.912% | 0.002    | 97.570  | 93.780    | 0.000     | 265400.000 | 8360.000 | 8364.000 |
| σ    |          | 1.825%  | 0.001    | 2.196   | 0.698     | 0.000     | 3250.000   | 33.700   | 16.770   |
| %RSD |          | 1.922   | 28.060   | 2.251   | 0.744     | 0.000     | 1.224      | 0.403    | 0.201    |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca       | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb      | ppb      |
| 1    | 20:43:42 | 17.750  | 8776.000 | 0.000   | 14870.000 | 49750.000 | 50210.000  | 72.544%  | 6.069    |
| 2    | 20:44:24 | 17.910  | 8712.000 | 0.000   | 14700.000 | 50170.000 | 50420.000  | 73.290%  | 6.639    |
| 3    | 20:45:06 | 17.420  | 8766.000 | 0.000   | 14720.000 | 51180.000 | 51160.000  | 73.507%  | 7.886    |
| X    |          | 17.700  | 8752.000 | 0.000   | 14770.000 | 50370.000 | 50600.000  | 73.114%  | 6.865    |
| σ    |          | 0.252   | 34.600   | 0.000   | 93.710    | 736.300   | 495.300    | 0.505%   | 0.929    |
| %RSD |          | 1.421   | 0.395    | 0.000   | 0.635     | 1.462     | 0.979      | 0.691    | 13.540   |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co       | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb      | ppb      |
| 1    | 20:43:42 | -0.970  | 1.208    | 803.400 | 48260.000 | 47940.000 | 0.346      | 1.930    | 2.414    |
| 2    | 20:44:24 | -0.983  | 1.459    | 807.500 | 47460.000 | 48490.000 | 0.269      | 2.193    | 2.060    |
| 3    | 20:45:06 | -0.817  | 1.458    | 816.700 | 47550.000 | 49040.000 | 0.302      | 1.843    | 2.458    |
| X    |          | -0.923  | 1.375    | 809.200 | 47760.000 | 48490.000 | 0.306      | 1.989    | 2.311    |
| σ    |          | 0.093   | 0.145    | 6.791   | 438.200   | 549.700   | 0.039      | 0.182    | 0.218    |
| %RSD |          | 10.030  | 10.540   | 0.839   | 0.918     | 1.134     | 12.620     | 9.166    | 9.433    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se       | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb      | ppb      |
| 1    | 20:43:42 | 1.641   | 5.946    | 5.817   | 13.100    | -0.744    | 0.284      | 0.000    | 520.600  |
| 2    | 20:44:24 | 1.957   | 5.749    | 6.292   | 15.250    | -0.822    | -0.040     | 0.000    | 522.900  |
| 3    | 20:45:06 | 1.429   | 6.420    | 6.883   | 14.050    | -1.902    | -0.826     | 0.000    | 524.900  |
| X    |          | 1.675   | 6.038    | 6.331   | 14.130    | -1.156    | -0.194     | 0.000    | 522.800  |
| σ    |          | 0.266   | 0.345    | 0.534   | 1.082     | 0.648     | 0.571      | 0.000    | 2.155    |
| %RSD |          | 15.860  | 5.709    | 8.437   | 7.653     | 56.030    | 294.300    | 0.000    | 0.412    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag      | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb      | ppb      |
| 1    | 20:43:42 | 72.578% | 0.448    | 0.255   | 70.159%   | 0.015     | 0.010      | -0.054   | -0.233   |
| 2    | 20:44:24 | 74.624% | 0.223    | 0.267   | 72.059%   | 0.009     | 0.015      | 0.006    | -0.080   |
| 3    | 20:45:06 | 75.682% | 0.243    | 0.214   | 73.204%   | 0.004     | -0.001     | -0.182   | -0.095   |
| X    |          | 74.295% | 0.305    | 0.245   | 71.807%   | 0.009     | 0.008      | -0.077   | -0.136   |
| σ    |          | 1.578%  | 0.124    | 0.028   | 1.538%    | 0.006     | 0.009      | 0.096    | 0.084    |
| %RSD |          | 2.124   | 40.840   | 11.300  | 2.142     | 60.120    | 107.300    | 125.400  | 62.090   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba      | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb      | ppb      |
| 1    | 20:43:42 | 74.473% | 7.431    | 0.495   | 0.495     | 114.900   | 113.800    | 81.494%  | 82.627%  |
| 2    | 20:44:24 | 76.886% | 6.343    | 0.446   | 0.548     | 116.500   | 115.100    | 84.297%  | 85.701%  |
| 3    | 20:45:06 | 78.562% | 5.286    | 0.522   | 0.405     | 115.400   | 114.000    | 86.088%  | 87.574%  |
| X    |          | 76.640% | 6.354    | 0.488   | 0.483     | 115.600   | 114.300    | 83.960%  | 85.301%  |
| σ    |          | 2.055%  | 1.073    | 0.038   | 0.072     | 0.834     | 0.720      | 2.315%   | 2.498%   |
| %RSD |          | 2.682   | 16.880   | 7.846   | 14.910    | 0.722     | 0.630      | 2.758    | 2.928    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi      |          |          |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        |          |          |
| 1    | 20:43:42 | 0.092   | 0.070    | 0.215   | 0.143     | 0.216     | 78.119%    |          |          |
| 2    | 20:44:24 | 0.060   | 0.067    | 0.233   | 0.240     | 0.217     | 81.958%    |          |          |
| 3    | 20:45:06 | 0.036   | 0.071    | 0.233   | 0.181     | 0.213     | 85.608%    |          |          |
| X    |          | 0.063   | 0.070    | 0.227   | 0.188     | 0.215     | 81.895%    |          |          |
| σ    |          | 0.028   | 0.002    | 0.011   | 0.049     | 0.002     | 3.745%     |          |          |
| %RSD |          | 44.720  | 2.722    | 4.712   | 26.170    | 0.915     | 4.573      |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:48:01 | 95.979% | -0.031   | 42.710   | 44.920    | 0.000     | 22050.000 | 24140.000 | 24170.000 |
| 2    | 20:48:43 | 97.658% | -0.031   | 40.950   | 41.840    | 0.000     | 21910.000 | 23940.000 | 24100.000 |
| 3    | 20:49:25 | 97.958% | 0.001    | 44.090   | 45.460    | 0.000     | 21810.000 | 24170.000 | 24110.000 |
| X    |          | 97.198% | -0.020   | 42.590   | 44.070    | 0.000     | 21920.000 | 24080.000 | 24130.000 |
| σ    |          | 1.067%  | 0.018    | 1.574    | 1.950     | 0.000     | 121.500   | 122.100   | 38.390    |
| %RSD |          | 1.097   | 91.600   | 3.695    | 4.424     | 0.000     | 0.554     | 0.507     | 0.159     |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:48:01 | 66.960  | 6896.000 | 0.000    | 1449.000  | 41200.000 | 40460.000 | 73.431%   | 4.363     |
| 2    | 20:48:43 | 68.390  | 6839.000 | 0.000    | 1448.000  | 40770.000 | 40610.000 | 74.114%   | 4.109     |
| 3    | 20:49:25 | 67.160  | 6839.000 | 0.000    | 1449.000  | 41060.000 | 40930.000 | 74.055%   | 3.551     |
| X    |          | 67.500  | 6858.000 | 0.000    | 1449.000  | 41010.000 | 40670.000 | 73.867%   | 4.008     |
| σ    |          | 0.774   | 33.260   | 0.000    | 0.696     | 215.600   | 238.000   | 0.378%    | 0.416     |
| %RSD |          | 1.147   | 0.485    | 0.000    | 0.048     | 0.526     | 0.585     | 0.512     | 10.370    |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:48:01 | -3.436  | 0.382    | 1210.000 | 41420.000 | 42220.000 | 0.784     | 1.590     | 2.114     |
| 2    | 20:48:43 | -2.920  | 0.466    | 1214.000 | 40830.000 | 42360.000 | 0.812     | 1.521     | 2.099     |
| 3    | 20:49:25 | -3.429  | 0.513    | 1219.000 | 40750.000 | 42330.000 | 0.788     | 1.058     | 2.409     |
| X    |          | -3.262  | 0.454    | 1214.000 | 41000.000 | 42310.000 | 0.795     | 1.390     | 2.207     |
| σ    |          | 0.296   | 0.066    | 4.060    | 363.400   | 73.320    | 0.015     | 0.290     | 0.175     |
| %RSD |          | 9.069   | 14.650   | 0.334    | 0.886     | 0.173     | 1.908     | 20.840    | 7.935     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:48:01 | 2.315   | 9.040    | 8.949    | 8.919     | -0.459    | 0.403     | 0.000     | 344.500   |
| 2    | 20:48:43 | 2.000   | 9.802    | 8.066    | 11.270    | -1.557    | -1.237    | 0.000     | 342.400   |
| 3    | 20:49:25 | 2.126   | 8.339    | 8.492    | 11.730    | -1.068    | 0.557     | 0.000     | 341.900   |
| X    |          | 2.147   | 9.060    | 8.502    | 10.640    | -1.028    | -0.092    | 0.000     | 342.900   |
| σ    |          | 0.159   | 0.732    | 0.442    | 1.507     | 0.550     | 0.994     | 0.000     | 1.417     |
| %RSD |          | 7.388   | 8.078    | 5.192    | 14.160    | 53.530    | 1078.000  | 0.000     | 0.413     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:48:01 | 75.473% | 0.619    | 0.688    | 75.876%   | -0.006    | -0.002    | -0.066    | -0.094    |
| 2    | 20:48:43 | 77.295% | 0.490    | 0.527    | 76.836%   | -0.002    | 0.009     | -0.087    | -0.147    |
| 3    | 20:49:25 | 78.139% | 0.717    | 0.647    | 77.347%   | -0.002    | -0.002    | -0.094    | -0.178    |
| X    |          | 76.969% | 0.609    | 0.621    | 76.686%   | -0.003    | 0.002     | -0.082    | -0.140    |
| σ    |          | 1.362%  | 0.114    | 0.084    | 0.747%    | 0.003     | 0.006     | 0.014     | 0.043     |
| %RSD |          | 1.770   | 18.730   | 13.500   | 0.974     | 88.020    | 334.800   | 17.200    | 30.560    |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 20:48:01 | 79.855% | 4.131    | 0.104    | 0.096     | 36.410    | 34.930    | 86.455%   | 88.437%   |
| 2    | 20:48:43 | 81.584% | 3.780    | 0.049    | 0.132     | 35.050    | 36.220    | 89.150%   | 89.284%   |
| 3    | 20:49:25 | 82.065% | 3.997    | 0.136    | 0.131     | 36.360    | 36.400    | 89.301%   | 91.456%   |
| X    |          | 81.168% | 3.970    | 0.096    | 0.120     | 35.940    | 35.850    | 88.302%   | 89.726%   |
| σ    |          | 1.162%  | 0.177    | 0.044    | 0.021     | 0.771     | 0.804     | 1.602%    | 1.557%    |
| %RSD |          | 1.432   | 4.462    | 45.400   | 17.480    | 2.145     | 2.242     | 1.814     | 1.735     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 20:48:01 | 0.033   | 0.036    | 0.270    | 0.239     | 0.267     | 86.243%   |           |           |
| 2    | 20:48:43 | 0.051   | 0.051    | 0.243    | 0.292     | 0.268     | 89.470%   |           |           |
| 3    | 20:49:25 | 0.030   | 0.042    | 0.248    | 0.248     | 0.274     | 91.262%   |           |           |
| X    |          | 0.038   | 0.043    | 0.254    | 0.260     | 0.270     | 88.992%   |           |           |
| σ    |          | 0.011   | 0.008    | 0.015    | 0.028     | 0.004     | 2.543%    |           |           |
| %RSD |          | 29.380  | 17.650   | 5.740    | 10.890    | 1.498     | 2.858     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B       | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|----------|----------|---------|-----------|------------|------------|-----------|-----------|
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 20:52:18 | 105.996% | -0.031   | 234.000 | 226.000   | 0.000      | 105700.000 | 62790.000 | 63380.000 |
| 2    | 20:53:00 | 109.362% | -0.031   | 243.300 | 225.900   | 0.000      | 105300.000 | 62530.000 | 63170.000 |
| 3    | 20:53:42 | 111.898% | -0.003   | 237.900 | 227.700   | 0.000      | 104900.000 | 62670.000 | 63120.000 |
| X    |          | 109.085% | -0.021   | 238.400 | 226.500   | 0.000      | 105300.000 | 62660.000 | 63220.000 |
| σ    |          | 2.961%   | 0.016    | 4.641   | 0.998     | 0.000      | 404.000    | 129.200   | 137.200   |
| %RSD |          | 2.714    | 75.320   | 1.947   | 0.441     | 0.000      | 0.384      | 0.206     | 0.217     |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K       | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 20:52:18 | -13.900  | 6479.000 | 0.000   | 11450.000 | 105000.000 | 106600.000 | 80.327%   | 1.205     |
| 2    | 20:53:00 | -0.080   | 6509.000 | 0.000   | 11370.000 | 105800.000 | 107000.000 | 82.996%   | 0.601     |
| 3    | 20:53:42 | -0.314   | 6522.000 | 0.000   | 11430.000 | 107800.000 | 107900.000 | 83.928%   | 0.903     |
| X    |          | -4.764   | 6503.000 | 0.000   | 11420.000 | 106200.000 | 107200.000 | 82.417%   | 0.903     |
| σ    |          | 7.912    | 22.430   | 0.000   | 45.620    | 1427.000   | 675.200    | 1.869%    | 0.302     |
| %RSD |          | 166.100  | 0.345    | 0.000   | 0.400     | 1.344      | 0.630      | 2.268     | 33.460    |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe      | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 20:52:18 | -7.395   | 1.779    | 707.300 | 48.100    | 176.400    | 6.589      | 6.971     | 4.398     |
| 2    | 20:53:00 | -9.264   | 1.857    | 709.600 | 34.510    | 173.300    | 6.805      | 7.284     | 4.067     |
| 3    | 20:53:42 | -8.768   | 2.163    | 718.300 | 32.710    | 159.800    | 6.596      | 8.424     | 3.958     |
| X    |          | -8.476   | 1.933    | 711.800 | 38.440    | 169.800    | 6.663      | 7.559     | 4.141     |
| σ    |          | 0.968    | 0.203    | 5.810   | 8.415     | 8.829      | 0.123      | 0.765     | 0.229     |
| %RSD |          | 11.420   | 10.520   | 0.816   | 21.890    | 5.200      | 1.845      | 10.120    | 5.535     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As      | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 20:52:18 | 3.250    | 8.522    | 9.876   | -2.267    | -0.599     | 0.417      | 0.000     | 697.200   |
| 2    | 20:53:00 | 3.731    | 9.074    | 9.893   | 0.919     | -0.693     | -1.185     | 0.000     | 706.400   |
| 3    | 20:53:42 | 4.119    | 9.951    | 9.886   | -1.120    | -0.848     | -1.372     | 0.000     | 707.800   |
| X    |          | 3.700    | 9.183    | 9.885   | -0.823    | -0.714     | -0.713     | 0.000     | 703.800   |
| σ    |          | 0.435    | 0.721    | 0.009   | 1.614     | 0.126      | 0.983      | 0.000     | 5.722     |
| %RSD |          | 11.760   | 7.850    | 0.086   | 196.200   | 17.620     | 137.800    | 0.000     | 0.813     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh     | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 20:52:18 | 80.869%  | 0.963    | 0.929   | 78.094%   | 0.013      | -0.002     | 0.053     | -0.004    |
| 2    | 20:53:00 | 82.923%  | 0.822    | 0.812   | 80.671%   | 0.026      | 0.008      | 0.009     | 0.082     |
| 3    | 20:53:42 | 83.866%  | 0.861    | 0.624   | 81.598%   | 0.003      | -0.002     | 0.239     | 0.138     |
| X    |          | 82.552%  | 0.882    | 0.789   | 80.121%   | 0.014      | 0.001      | 0.100     | 0.072     |
| σ    |          | 1.533%   | 0.073    | 0.154   | 1.816%    | 0.012      | 0.006      | 0.122     | 0.071     |
| %RSD |          | 1.856    | 8.229    | 19.500  | 2.266     | 84.440     | 402.600    | 121.800   | 99.320    |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb     | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 20:52:18 | 81.779%  | 4.805    | 0.049   | 0.053     | 169.500    | 169.200    | 88.588%   | 89.857%   |
| 2    | 20:53:00 | 84.951%  | 4.758    | 0.071   | 0.043     | 170.800    | 167.400    | 92.082%   | 94.313%   |
| 3    | 20:53:42 | 87.166%  | 4.717    | 0.055   | 0.035     | 162.700    | 167.600    | 93.823%   | 95.076%   |
| X    |          | 84.632%  | 4.760    | 0.058   | 0.044     | 167.700    | 168.100    | 91.498%   | 93.082%   |
| σ    |          | 2.707%   | 0.044    | 0.012   | 0.009     | 4.381      | 0.973      | 2.666%    | 2.819%    |
| %RSD |          | 3.199    | 0.922    | 19.700  | 20.050    | 2.612      | 0.579      | 2.914     | 3.029     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb     | 208Pb      | 209Bi      |           |           |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        |           |           |
| 1    | 20:52:18 | 0.117    | 0.082    | 0.035   | 0.045     | 0.058      | 84.047%    |           |           |
| 2    | 20:53:00 | 0.103    | 0.077    | 0.061   | 0.082     | 0.065      | 87.209%    |           |           |
| 3    | 20:53:42 | 0.094    | 0.090    | 0.031   | 0.060     | 0.052      | 89.554%    |           |           |
| X    |          | 0.105    | 0.083    | 0.042   | 0.062     | 0.059      | 86.937%    |           |           |
| σ    |          | 0.011    | 0.007    | 0.016   | 0.019     | 0.006      | 2.764%     |           |           |
| %RSD |          | 10.720   | 8.171    | 37.710  | 30.040    | 10.640     | 3.179      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B       | 13C       | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|----------|----------|-----------|-----------|------------|-----------|-----------|
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 20:56:36 | 95.076% | -0.031   | 214.000  | 203.000   | 0.000     | 100200.000 | 53070.000 | 58980.000 |
| 2    | 20:57:18 | 96.151% | -0.031   | 212.800  | 207.100   | 0.000     | 99160.000  | 53110.000 | 53470.000 |
| 3    | 20:57:59 | 97.366% | 0.065    | 208.900  | 200.400   | 0.000     | 98890.000  | 53060.000 | 53480.000 |
| X    |          | 96.198% | 0.001    | 211.900  | 203.500   | 0.000     | 99410.000  | 53080.000 | 55310.000 |
| σ    |          | 1.146%  | 0.055    | 2.685    | 3.370     | 0.000     | 679.900    | 24.920    | 3181.000  |
| %RSD |          | 1.191   | 4165.000 | 1.267    | 1.656     | 0.000     | 0.684      | 0.047     | 5.752     |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 20:56:36 | -2.144  | 6564.000 | 0.000    | 7954.000  | 96840.000 | 97810.000  | 73.694%   | 3.785     |
| 2    | 20:57:18 | -2.295  | 6568.000 | 0.000    | 7113.000  | 98090.000 | 99020.000  | 74.167%   | 1.800     |
| 3    | 20:57:59 | -2.321  | 6531.000 | 0.000    | 7121.000  | 98930.000 | 99440.000  | 74.085%   | 1.591     |
| X    |          | -2.254  | 6554.000 | 0.000    | 7396.000  | 97950.000 | 98760.000  | 73.982%   | 2.392     |
| σ    |          | 0.096   | 20.220   | 0.000    | 483.100   | 1055.000  | 849.700    | 0.253%    | 1.211     |
| %RSD |          | 4.243   | 0.309    | 0.000    | 6.532     | 1.077     | 0.860      | 0.341     | 50.620    |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 20:56:36 | -3.854  | 0.637    | 2891.000 | 20810.000 | 21570.000 | 0.382      | 3.417     | 2.270     |
| 2    | 20:57:18 | -3.859  | 0.661    | 2906.000 | 20560.000 | 21680.000 | 0.298      | 3.330     | 2.695     |
| 3    | 20:57:59 | -5.343  | 0.465    | 2910.000 | 20550.000 | 21730.000 | 0.411      | 3.521     | 2.344     |
| X    |          | -4.352  | 0.587    | 2902.000 | 20640.000 | 21660.000 | 0.364      | 3.423     | 2.437     |
| σ    |          | 0.858   | 0.107    | 9.994    | 147.800   | 80.810    | 0.058      | 0.096     | 0.227     |
| %RSD |          | 19.720  | 18.220   | 0.344    | 0.716     | 0.373     | 16.060     | 2.800     | 9.321     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 20:56:36 | 2.082   | 6.510    | 8.247    | 5.432     | -0.975    | 0.819      | 0.000     | 638.000   |
| 2    | 20:57:18 | 2.295   | 6.242    | 7.938    | 2.214     | -1.045    | -0.871     | 0.000     | 637.400   |
| 3    | 20:57:59 | 2.196   | 6.270    | 7.024    | 3.074     | -1.573    | -0.096     | 0.000     | 635.500   |
| X    |          | 2.191   | 6.341    | 7.736    | 3.573     | -1.198    | -0.049     | 0.000     | 637.000   |
| σ    |          | 0.107   | 0.147    | 0.636    | 1.666     | 0.327     | 0.846      | 0.000     | 1.292     |
| %RSD |          | 4.876   | 2.322    | 8.219    | 46.630    | 27.290    | 1712.000   | 0.000     | 0.203     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 20:56:36 | 75.171% | -0.145   | 0.001    | 73.632%   | 0.014     | -0.002     | 0.018     | -0.035    |
| 2    | 20:57:18 | 77.325% | 0.005    | -0.110   | 75.301%   | 0.003     | -0.002     | 0.012     | -0.004    |
| 3    | 20:57:59 | 77.987% | 0.017    | -0.043   | 75.697%   | 0.013     | -0.002     | -0.083    | -0.133    |
| X    |          | 76.828% | -0.041   | -0.051   | 74.876%   | 0.010     | -0.002     | -0.018    | -0.058    |
| σ    |          | 1.472%  | 0.090    | 0.056    | 1.096%    | 0.006     | 0.000      | 0.056     | 0.068     |
| %RSD |          | 1.916   | 220.300  | 109.800  | 1.463     | 57.030    | 4.423      | 319.500   | 117.400   |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 20:56:36 | 80.269% | 3.659    | 0.119    | 0.055     | 296.000   | 299.000    | 86.701%   | 88.243%   |
| 2    | 20:57:18 | 81.217% | 3.886    | 0.107    | 0.127     | 304.200   | 301.600    | 88.095%   | 90.136%   |
| 3    | 20:57:59 | 82.345% | 3.600    | 0.074    | 0.078     | 300.900   | 297.100    | 90.542%   | 91.644%   |
| X    |          | 81.277% | 3.715    | 0.100    | 0.086     | 300.400   | 299.300    | 88.446%   | 90.008%   |
| σ    |          | 1.039%  | 0.151    | 0.023    | 0.037     | 4.123     | 2.261      | 1.944%    | 1.704%    |
| %RSD |          | 1.278   | 4.075    | 23.100   | 42.380    | 1.373     | 0.755      | 2.198     | 1.893     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi      |           |           |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        |           |           |
| 1    | 20:56:36 | 0.026   | 0.031    | 4.491    | 4.151     | 4.397     | 83.492%    |           |           |
| 2    | 20:57:18 | 0.013   | 0.028    | 4.603    | 4.483     | 4.491     | 86.895%    |           |           |
| 3    | 20:57:59 | 0.009   | 0.016    | 4.481    | 4.440     | 4.542     | 87.800%    |           |           |
| X    |          | 0.016   | 0.025    | 4.525    | 4.358     | 4.477     | 86.062%    |           |           |
| σ    |          | 0.009   | 0.008    | 0.068    | 0.181     | 0.074     | 2.271%     |           |           |
| %RSD |          | 54.800  | 32.330   | 1.500    | 4.150     | 1.651     | 2.639      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|----------|---------|-----------|------------|------------|-----------|-----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:00:52 | 94.723% | 0.002    | 187.900 | 162.600   | 0.000      | 90600.000  | 71050.000 | 71690.000 |
| 2    | 21:01:34 | 96.603% | 0.034    | 176.100 | 167.800   | 0.000      | 89450.000  | 70120.000 | 70770.000 |
| 3    | 21:02:15 | 96.410% | 0.002    | 177.600 | 167.800   | 0.000      | 89660.000  | 70270.000 | 70980.000 |
| X    |          | 95.912% | 0.012    | 180.500 | 166.000   | 0.000      | 89910.000  | 70480.000 | 71150.000 |
| σ    |          | 1.034%  | 0.018    | 6.418   | 2.997     | 0.000      | 612.900    | 497.200   | 483.500   |
| %RSD |          | 1.079   | 148.000  | 3.555   | 1.805     | 0.000      | 0.682      | 0.706     | 0.679     |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:00:52 | 250.400 | 9808.000 | 0.000   | 12680.000 | 118400.000 | 119500.000 | 74.963%   | 11.680    |
| 2    | 21:01:34 | 255.600 | 9798.000 | 0.000   | 12510.000 | 119000.000 | 119300.000 | 76.219%   | 11.080    |
| 3    | 21:02:15 | 254.200 | 9865.000 | 0.000   | 12560.000 | 118500.000 | 120200.000 | 76.503%   | 12.120    |
| X    |          | 253.400 | 9824.000 | 0.000   | 12580.000 | 118600.000 | 119600.000 | 75.895%   | 11.630    |
| σ    |          | 2.691   | 36.090   | 0.000   | 88.140    | 345.900    | 503.300    | 0.820%    | 0.526     |
| %RSD |          | 1.062   | 0.367    | 0.000   | 0.700     | 0.292      | 0.421      | 1.080     | 4.523     |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:00:52 | -3.035  | 1.786    | 627.800 | 29340.000 | 30220.000  | 0.900      | 4.376     | 6.082     |
| 2    | 21:01:34 | -2.377  | 1.988    | 630.100 | 29020.000 | 30240.000  | 0.837      | 5.085     | 5.897     |
| 3    | 21:02:15 | -3.429  | 2.058    | 633.700 | 29060.000 | 30390.000  | 0.938      | 4.811     | 5.969     |
| X    |          | -2.947  | 1.944    | 630.500 | 29140.000 | 30280.000  | 0.892      | 4.757     | 5.983     |
| σ    |          | 0.532   | 0.141    | 2.961   | 176.300   | 93.650     | 0.051      | 0.358     | 0.093     |
| %RSD |          | 18.040  | 7.266    | 0.470   | 0.605     | 0.309      | 5.715      | 7.516     | 1.558     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:00:52 | 5.717   | 32.420   | 34.950  | 7.245     | -0.515     | -0.228     | 0.000     | 775.100   |
| 2    | 21:01:34 | 6.380   | 33.880   | 33.260  | 5.162     | -1.462     | -2.949     | 0.000     | 781.800   |
| 3    | 21:02:15 | 6.556   | 33.030   | 35.730  | 6.727     | -2.472     | -0.904     | 0.000     | 787.900   |
| X    |          | 6.218   | 33.110   | 34.650  | 6.378     | -1.483     | -1.360     | 0.000     | 781.600   |
| σ    |          | 0.442   | 0.736    | 1.260   | 1.084     | 0.979      | 1.417      | 0.000     | 6.430     |
| %RSD |          | 7.112   | 2.224    | 3.638   | 17.000    | 65.990     | 104.200    | 0.000     | 0.823     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:00:52 | 76.519% | 0.548    | 0.599   | 74.557%   | 0.009      | 0.036      | 0.089     | 0.068     |
| 2    | 21:01:34 | 77.866% | 0.684    | 0.957   | 76.247%   | 0.013      | 0.014      | 0.193     | 0.179     |
| 3    | 21:02:15 | 77.585% | 0.672    | 0.838   | 76.283%   | 0.023      | 0.019      | 0.224     | 0.215     |
| X    |          | 77.323% | 0.634    | 0.798   | 75.696%   | 0.015      | 0.023      | 0.169     | 0.154     |
| σ    |          | 0.710%  | 0.075    | 0.182   | 0.986%    | 0.007      | 0.012      | 0.070     | 0.077     |
| %RSD |          | 0.919   | 11.890   | 22.850  | 1.303     | 48.940     | 49.920     | 41.810    | 49.860    |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:00:52 | 78.968% | 3.913    | 0.248   | 0.212     | 236.600    | 239.000    | 87.123%   | 88.199%   |
| 2    | 21:01:34 | 81.464% | 4.755    | 0.230   | 0.198     | 236.200    | 241.500    | 89.317%   | 90.671%   |
| 3    | 21:02:15 | 81.692% | 4.450    | 0.213   | 0.244     | 239.900    | 242.900    | 89.805%   | 90.492%   |
| X    |          | 80.708% | 4.373    | 0.230   | 0.218     | 237.600    | 241.100    | 88.748%   | 89.787%   |
| σ    |          | 1.511%  | 0.426    | 0.017   | 0.023     | 2.030      | 1.991      | 1.429%    | 1.379%    |
| %RSD |          | 1.872   | 9.746    | 7.506   | 10.650    | 0.855      | 0.826      | 1.610     | 1.535     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb      | 209Bi      |           |           |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb        | ppb        |           |           |
| 1    | 21:00:52 | 0.023   | 0.030    | 4.413   | 4.614     | 4.451      | 82.937%    |           |           |
| 2    | 21:01:34 | 0.042   | 0.027    | 4.609   | 4.535     | 4.528      | 85.763%    |           |           |
| 3    | 21:02:15 | 0.018   | 0.030    | 4.339   | 4.460     | 4.362      | 87.202%    |           |           |
| X    |          | 0.028   | 0.029    | 4.454   | 4.536     | 4.447      | 85.301%    |           |           |
| σ    |          | 0.013   | 0.002    | 0.139   | 0.077     | 0.083      | 2.170%     |           |           |
| %RSD |          | 45.250  | 5.562    | 3.130   | 1.707     | 1.868      | 2.544      |           |           |



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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B       | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|----------|----------|---------|-----------|------------|------------|-----------|-----------|
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:05:06 | 103.597% | -0.001   | 142.100 | 135.900   | 0.000      | 124400.000 | 53580.000 | 59220.000 |
| 2    | 21:05:48 | 109.055% | 0.027    | 147.100 | 138.300   | 0.000      | 123300.000 | 58800.000 | 59170.000 |
| 3    | 21:06:30 | 110.700% | -0.002   | 149.900 | 138.100   | 0.000      | 123100.000 | 53900.000 | 59010.000 |
| X    |          | 107.784% | 0.008    | 146.400 | 137.400   | 0.000      | 123600.000 | 55430.000 | 59140.000 |
| σ    |          | 3.718%   | 0.016    | 3.944   | 1.347     | 0.000      | 717.500    | 2925.000  | 108.500   |
| %RSD |          | 3.450    | 208.700  | 2.695   | 0.980     | 0.000      | 0.581      | 5.277     | 0.184     |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K       | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:05:06 | 181.400  | 7096.000 | 0.000   | 12150.000 | 122900.000 | 124600.000 | 81.099%   | 8.108     |
| 2    | 21:05:48 | 180.100  | 7152.000 | 0.000   | 12190.000 | 127200.000 | 127300.000 | 82.244%   | 9.122     |
| 3    | 21:06:30 | 180.300  | 7106.000 | 0.000   | 12170.000 | 124000.000 | 127000.000 | 83.063%   | 7.158     |
| X    |          | 180.600  | 7118.000 | 0.000   | 12170.000 | 124700.000 | 126300.000 | 82.135%   | 8.129     |
| σ    |          | 0.734    | 30.010   | 0.000   | 18.430    | 2259.000   | 1499.000   | 0.986%    | 0.982     |
| %RSD |          | 0.406    | 0.422    | 0.000   | 0.151     | 1.811      | 1.187      | 1.201     | 12.080    |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe      | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:05:06 | -6.111   | 3.192    | 102.900 | 509.300   | 772.600    | 1.014      | 3.979     | 2.319     |
| 2    | 21:05:48 | -7.339   | 3.281    | 105.700 | 502.300   | 776.000    | 0.950      | 3.550     | 2.564     |
| 3    | 21:06:30 | -7.875   | 3.482    | 105.000 | 502.500   | 767.400    | 1.070      | 3.596     | 2.736     |
| X    |          | -7.108   | 3.318    | 104.500 | 504.700   | 772.000    | 1.012      | 3.708     | 2.540     |
| σ    |          | 0.904    | 0.149    | 1.462   | 4.016     | 4.346      | 0.060      | 0.236     | 0.210     |
| %RSD |          | 12.720   | 4.478    | 1.399   | 0.796     | 0.563      | 5.935      | 6.351     | 8.248     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As      | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:05:06 | 2.113    | 6.009    | 7.014   | -0.590    | -0.509     | -1.325     | 0.000     | 663.300   |
| 2    | 21:05:48 | 2.393    | 5.632    | 5.648   | 0.309     | -0.843     | 0.373      | 0.000     | 663.700   |
| 3    | 21:06:30 | 2.348    | 5.234    | 6.500   | 1.303     | -1.218     | 0.320      | 0.000     | 667.500   |
| X    |          | 2.285    | 5.625    | 6.387   | 0.341     | -0.857     | -0.210     | 0.000     | 664.800   |
| σ    |          | 0.150    | 0.388    | 0.690   | 0.947     | 0.355      | 0.965      | 0.000     | 2.340     |
| %RSD |          | 6.568    | 6.890    | 10.800  | 278.100   | 41.410     | 458.800    | 0.000     | 0.352     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh     | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:05:06 | 81.544%  | 0.178    | 0.229   | 78.217%   | 0.003      | 0.003      | 0.017     | -0.015    |
| 2    | 21:05:48 | 84.242%  | 0.099    | 0.319   | 80.268%   | 0.008      | 0.013      | 0.068     | 0.052     |
| 3    | 21:06:30 | 84.913%  | 0.069    | 0.177   | 81.213%   | -0.006     | 0.018      | 0.129     | 0.040     |
| X    |          | 83.566%  | 0.115    | 0.242   | 79.899%   | 0.001      | 0.011      | 0.071     | 0.026     |
| σ    |          | 1.783%   | 0.057    | 0.072   | 1.532%    | 0.007      | 0.007      | 0.056     | 0.036     |
| %RSD |          | 2.134    | 49.040   | 29.670  | 1.917     | 509.300    | 64.970     | 78.700    | 139.400   |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb     | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 21:05:06 | 83.184%  | 3.233    | 0.048   | 0.077     | 117.800    | 116.900    | 90.770%   | 91.401%   |
| 2    | 21:05:48 | 87.217%  | 2.988    | 0.069   | 0.035     | 120.400    | 119.200    | 92.782%   | 94.512%   |
| 3    | 21:06:30 | 86.021%  | 2.776    | 0.080   | 0.049     | 121.400    | 119.900    | 92.831%   | 95.745%   |
| X    |          | 85.474%  | 2.999    | 0.066   | 0.054     | 119.900    | 118.700    | 92.127%   | 93.886%   |
| σ    |          | 2.071%   | 0.229    | 0.016   | 0.021     | 1.871      | 1.562      | 1.176%    | 2.238%    |
| %RSD |          | 2.423    | 7.620    | 24.730  | 39.670    | 1.560      | 1.316      | 1.277     | 2.384     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb     | 208Pb      | 209Bi      |           |           |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        |           |           |
| 1    | 21:05:06 | 0.025    | 0.038    | 0.332   | 0.369     | 0.333      | 84.796%    |           |           |
| 2    | 21:05:48 | 0.020    | 0.034    | 0.345   | 0.334     | 0.364      | 88.282%    |           |           |
| 3    | 21:06:30 | 0.011    | 0.029    | 0.347   | 0.311     | 0.327      | 90.458%    |           |           |
| X    |          | 0.019    | 0.034    | 0.341   | 0.338     | 0.342      | 87.845%    |           |           |
| σ    |          | 0.007    | 0.005    | 0.008   | 0.030     | 0.020      | 2.856%     |           |           |
| %RSD |          | 37.420   | 13.500   | 2.419   | 8.742     | 5.807      | 3.252      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B     | 13C     | 23Na    | 25Mg    | 26Mg    |
|------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 21:12:58 | 82.199%  | -0.031   | 1.538   | 2.184   | 0.000   | -76.680 | -1.168  | -0.610  |
| 2    | 21:13:40 | 82.252%  | -0.031   | 2.613   | 1.889   | 0.000   | -64.750 | 4.203   | 5.093   |
| 3    | 21:14:22 | 83.491%  | -0.031   | 1.904   | 1.831   | 0.000   | -58.880 | 8.093   | 8.372   |
| X    |          | 82.647%  | -0.031   | 2.018   | 1.968   | 0.000   | -66.770 | 3.709   | 4.285   |
| σ    |          | 0.731%   | 0.000    | 0.547   | 0.190   | 0.000   | 9.067   | 4.650   | 4.545   |
| %RSD |          | 0.885    | 0.000    | 27.090  | 9.630   | 0.000   | 13.580  | 125.400 | 106.100 |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K     | 43Ca    | 44Ca    | 45Sc    | 47Ti    |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 21:12:58 | -4.943   | 4.804    | 0.000   | -13.540 | 2.945   | -2.034  | 75.887% | -0.087  |
| 2    | 21:13:40 | -4.691   | 3.328    | 0.000   | -10.980 | 14.670  | 15.640  | 76.267% | -0.019  |
| 3    | 21:14:22 | -3.661   | 4.639    | 0.000   | -8.626  | 38.580  | 19.500  | 75.442% | -0.019  |
| X    |          | -4.432   | 4.257    | 0.000   | -11.050 | 18.730  | 11.030  | 75.865% | -0.042  |
| σ    |          | 0.679    | 0.809    | 0.000   | 2.459   | 18.160  | 11.480  | 0.413%  | 0.040   |
| %RSD |          | 15.320   | 19.000   | 0.000   | 22.250  | 96.950  | 104.000 | 0.545   | 94.740  |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe    | 57Fe    | 59Co    | 60Ni    | 63Cu    |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 21:12:58 | 0.107    | -0.039   | -0.012  | 3.327   | 3.280   | -0.015  | 0.017   | 0.573   |
| 2    | 21:13:40 | 0.047    | 0.060    | 0.010   | 3.903   | 3.664   | -0.033  | 0.039   | 0.491   |
| 3    | 21:14:22 | -0.137   | -0.038   | 0.059   | 4.405   | 6.202   | -0.003  | -0.006  | 0.636   |
| X    |          | 0.006    | -0.006   | 0.019   | 3.878   | 4.382   | -0.017  | 0.016   | 0.566   |
| σ    |          | 0.127    | 0.057    | 0.036   | 0.539   | 1.587   | 0.015   | 0.023   | 0.073   |
| %RSD |          | 2256.000 | 1011.000 | 189.400 | 13.910  | 36.230  | 89.270  | 137.400 | 12.840  |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As    | 78Se    | 82Se    | 83Kr    | 88Sr    |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 21:12:58 | 0.940    | 0.627    | 0.301   | -1.076  | -1.542  | -2.750  | 0.000   | -0.024  |
| 2    | 21:13:40 | 0.436    | 0.395    | 0.405   | -0.673  | -1.302  | -2.006  | 0.000   | 0.104   |
| 3    | 21:14:22 | 0.550    | 0.597    | 0.225   | 0.006   | -1.951  | 0.085   | 0.000   | 0.206   |
| X    |          | 0.642    | 0.539    | 0.310   | -0.581  | -1.598  | -1.557  | 0.000   | 0.095   |
| σ    |          | 0.264    | 0.126    | 0.090   | 0.547   | 0.328   | 1.469   | 0.000   | 0.115   |
| %RSD |          | 41.190   | 23.440   | 29.060  | 94.160  | 20.540  | 94.370  | 0.000   | 121.000 |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh   | 107Ag   | 109Ag   | 111Cd   | 114Cd   |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 21:12:58 | 76.104%  | -0.234   | -0.207  | 77.748% | -0.006  | -0.007  | 0.059   | 0.019   |
| 2    | 21:13:40 | 76.589%  | -0.235   | -0.250  | 78.385% | 0.003   | -0.007  | 0.012   | -0.041  |
| 3    | 21:14:22 | 77.292%  | -0.208   | -0.192  | 78.929% | 0.008   | 0.003   | 0.061   | -0.076  |
| X    |          | 76.661%  | -0.225   | -0.216  | 78.354% | 0.002   | -0.003  | 0.044   | -0.033  |
| σ    |          | 0.598%   | 0.015    | 0.030   | 0.591%  | 0.007   | 0.006   | 0.028   | 0.048   |
| %RSD |          | 0.779    | 6.804    | 13.990  | 0.754   | 452.800 | 173.600 | 62.370  | 146.400 |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb   | 135Ba   | 137Ba   | 159Tb   | 165Ho   |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 21:12:58 | 78.866%  | 1.797    | -0.006  | -0.026  | -0.090  | -0.049  | 81.007% | 81.417% |
| 2    | 21:13:40 | 79.300%  | 1.272    | 0.004   | -0.012  | -0.090  | 0.032   | 81.355% | 83.198% |
| 3    | 21:14:22 | 80.004%  | 1.259    | -0.007  | -0.026  | -0.036  | 0.079   | 82.567% | 83.488% |
| X    |          | 79.390%  | 1.443    | -0.003  | -0.021  | -0.072  | 0.021   | 81.643% | 82.701% |
| σ    |          | 0.574%   | 0.307    | 0.006   | 0.008   | 0.031   | 0.065   | 0.819%  | 1.121%  |
| %RSD |          | 0.723    | 21.290   | 202.700 | 37.270  | 43.570  | 313.700 | 1.003   | 1.356   |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb   | 208Pb   | 209Bi   |         |         |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     |         |         |
| 1    | 21:12:58 | 0.006    | 0.014    | -0.011  | 0.009   | 0.002   | 81.192% |         |         |
| 2    | 21:13:40 | 0.005    | 0.018    | -0.012  | -0.017  | -0.009  | 82.703% |         |         |
| 3    | 21:14:22 | 0.005    | 0.010    | -0.001  | -0.000  | 0.003   | 83.424% |         |         |
| X    |          | 0.005    | 0.014    | -0.008  | -0.003  | -0.001  | 82.440% |         |         |
| σ    |          | 0.000    | 0.004    | 0.006   | 0.013   | 0.006   | 1.139%  |         |         |
| %RSD |          | 6.889    | 27.460   | 77.970  | 475.900 | 550.200 | 1.382   |         |         |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:17:14 | 80.823%  | 50.100   | 928.300 | 909.800   | 0.000     | 45800.000 | 40220.000 | 40270.000 |
| 2    | 21:17:55 | 82.144%  | 47.930   | 920.600 | 912.500   | 0.000     | 45410.000 | 40370.000 | 40730.000 |
| 3    | 21:18:37 | 83.637%  | 49.490   | 943.100 | 918.600   | 0.000     | 45330.000 | 40610.000 | 41010.000 |
| X    |          | 82.201%  | 49.170   | 930.700 | 913.600   | 0.000     | 45510.000 | 40400.000 | 40670.000 |
| σ    |          | 1.408%   | 1.117    | 11.400  | 4.520     | 0.000     | 252.800   | 200.100   | 372.200   |
| %RSD |          | 1.713    | 2.271    | 1.225   | 0.495     | 0.000     | 0.555     | 0.495     | 0.915     |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:17:14 | 1789.000 | 9236.000 | 0.000   | 46880.000 | 47390.000 | 46400.000 | 75.729%   | 961.000   |
| 2    | 21:17:55 | 1816.000 | 9298.000 | 0.000   | 46570.000 | 48090.000 | 46930.000 | 77.391%   | 956.600   |
| 3    | 21:18:37 | 1821.000 | 9414.000 | 0.000   | 46380.000 | 47820.000 | 47600.000 | 78.141%   | 960.100   |
| X    |          | 1809.000 | 9316.000 | 0.000   | 46610.000 | 47760.000 | 46970.000 | 77.087%   | 959.200   |
| σ    |          | 16.950   | 90.110   | 0.000   | 250.200   | 355.300   | 600.700   | 1.235%    | 2.307     |
| %RSD |          | 0.937    | 0.967    | 0.000   | 0.537     | 0.744     | 1.279     | 1.602     | 0.241     |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:17:14 | 486.000  | 192.400  | 475.200 | 802.600   | 1066.000  | 482.000   | 489.400   | 242.100   |
| 2    | 21:17:55 | 484.500  | 192.200  | 478.700 | 807.500   | 1066.000  | 487.400   | 489.300   | 245.100   |
| 3    | 21:18:37 | 492.600  | 196.700  | 484.900 | 817.000   | 1047.000  | 488.100   | 501.500   | 247.000   |
| X    |          | 487.700  | 193.800  | 479.600 | 809.000   | 1060.000  | 485.900   | 493.400   | 244.700   |
| σ    |          | 4.356    | 2.525    | 4.918   | 7.324     | 11.180    | 3.314     | 6.991     | 2.463     |
| %RSD |          | 0.893    | 1.303    | 1.025   | 0.905     | 1.055     | 0.682     | 1.417     | 1.006     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:17:14 | 243.700  | 471.900  | 480.800 | 37.520    | 10.810    | 8.496     | 0.000     | 948.100   |
| 2    | 21:17:55 | 243.900  | 480.300  | 486.800 | 37.060    | 8.640     | 6.816     | 0.000     | 943.300   |
| 3    | 21:18:37 | 245.700  | 483.800  | 491.500 | 35.880    | 9.831     | 8.670     | 0.000     | 956.800   |
| X    |          | 244.400  | 478.700  | 486.300 | 36.820    | 9.761     | 7.994     | 0.000     | 949.400   |
| σ    |          | 1.090    | 6.102    | 5.330   | 0.845     | 1.087     | 1.024     | 0.000     | 6.833     |
| %RSD |          | 0.446    | 1.275    | 1.096   | 2.294     | 11.140    | 12.810    | 0.000     | 0.720     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:17:14 | 76.273%  | 980.900  | 983.500 | 75.441%   | 47.900    | 48.020    | 46.540    | 39.280    |
| 2    | 21:17:55 | 79.695%  | 987.300  | 996.900 | 78.209%   | 48.890    | 48.530    | 49.170    | 41.500    |
| 3    | 21:18:37 | 79.805%  | 997.300  | 996.400 | 79.560%   | 49.230    | 47.830    | 47.390    | 40.400    |
| X    |          | 78.591%  | 988.500  | 992.300 | 77.737%   | 48.670    | 48.130    | 47.700    | 40.390    |
| σ    |          | 2.008%   | 8.254    | 7.568   | 2.100%    | 0.691     | 0.358     | 1.343     | 1.109     |
| %RSD |          | 2.555    | 0.835    | 0.763   | 2.701     | 1.419     | 0.744     | 2.816     | 2.745     |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:17:14 | 78.704%  | 1947.000 | 467.200 | 467.100   | 1894.000  | 1910.000  | 83.993%   | 85.002%   |
| 2    | 21:17:55 | 80.603%  | 1981.000 | 483.900 | 481.100   | 1903.000  | 1916.000  | 87.780%   | 88.628%   |
| 3    | 21:18:37 | 82.763%  | 1964.000 | 479.200 | 479.800   | 1888.000  | 1908.000  | 88.849%   | 89.873%   |
| X    |          | 80.690%  | 1964.000 | 476.800 | 476.000   | 1895.000  | 1911.000  | 86.874%   | 87.834%   |
| σ    |          | 2.031%   | 17.440   | 8.629   | 7.715     | 7.630     | 4.360     | 2.552%    | 2.530%    |
| %RSD |          | 2.517    | 0.888    | 1.810   | 1.621     | 0.403     | 0.228     | 2.937     | 2.881     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 21:17:14 | 48.860   | 48.110   | 19.410  | 19.670    | 19.480    | 84.727%   |           |           |
| 2    | 21:17:55 | 49.540   | 48.860   | 19.950  | 19.960    | 19.920    | 87.322%   |           |           |
| 3    | 21:18:37 | 49.720   | 49.480   | 19.940  | 19.850    | 20.120    | 88.409%   |           |           |
| X    |          | 49.370   | 48.810   | 19.770  | 19.830    | 19.840    | 86.819%   |           |           |
| σ    |          | 0.453    | 0.688    | 0.309   | 0.144     | 0.324     | 1.892%    |           |           |
| %RSD |          | 0.918    | 1.409    | 1.562   | 0.724     | 1.631     | 2.179     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B      | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|---------|----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:21:29 | 83.091%  | 0.006    | 123.000 | 131.600  | 0.000     | 80720.000 | 42800.000 | 48620.000 |
| 2    | 21:22:11 | 85.017%  | 0.005    | 133.700 | 128.700  | 0.000     | 79770.000 | 42590.000 | 42880.000 |
| 3    | 21:22:53 | 84.361%  | -0.031   | 130.500 | 131.400  | 0.000     | 80220.000 | 42680.000 | 43140.000 |
| X    |          | 84.156%  | -0.006   | 129.100 | 130.600  | 0.000     | 80240.000 | 42690.000 | 44880.000 |
| σ    |          | 0.979%   | 0.021    | 5.512   | 1.661    | 0.000     | 476.800   | 105.800   | 3244.000  |
| %RSD |          | 1.164    | 328.100  | 4.270   | 1.272    | 0.000     | 0.594     | 0.248     | 7.227     |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K      | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:21:29 | 25.790   | 4565.000 | 0.000   | 4926.000 | 66430.000 | 64970.000 | 78.262%   | 2.499     |
| 2    | 21:22:11 | 23.180   | 4552.000 | 0.000   | 4963.000 | 66570.000 | 65060.000 | 78.660%   | 1.496     |
| 3    | 21:22:53 | 24.110   | 4567.000 | 0.000   | 4954.000 | 65040.000 | 65050.000 | 78.931%   | 1.161     |
| X    |          | 24.360   | 4561.000 | 0.000   | 4947.000 | 66010.000 | 65030.000 | 78.617%   | 1.718     |
| σ    |          | 1.323    | 8.079    | 0.000   | 19.290   | 845.200   | 47.480    | 0.336%    | 0.696     |
| %RSD |          | 5.430    | 0.177    | 0.000   | 0.390    | 1.280     | 0.073     | 0.428     | 40.520    |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe     | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:21:29 | -0.025   | 1.798    | 336.600 | 52.500   | 160.700   | 0.471     | 1.594     | 1.377     |
| 2    | 21:22:11 | 0.093    | 1.686    | 334.800 | 52.120   | 152.200   | 0.434     | 2.380     | 1.047     |
| 3    | 21:22:53 | -0.096   | 1.743    | 338.100 | 51.400   | 154.100   | 0.427     | 1.987     | 1.214     |
| X    |          | -0.009   | 1.742    | 336.500 | 52.010   | 155.700   | 0.444     | 1.987     | 1.213     |
| σ    |          | 0.096    | 0.056    | 1.633   | 0.556    | 4.459     | 0.024     | 0.393     | 0.165     |
| %RSD |          | 1035.000 | 3.232    | 0.485   | 1.070    | 2.864     | 5.310     | 19.780    | 13.610    |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As     | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:21:29 | 0.852    | 5.823    | 5.496   | 1.131    | 3.679     | 6.109     | 0.000     | 373.400   |
| 2    | 21:22:11 | 0.995    | 5.648    | 5.522   | -0.193   | 3.351     | 3.766     | 0.000     | 376.700   |
| 3    | 21:22:53 | 1.092    | 5.263    | 6.340   | -0.130   | 4.845     | 5.265     | 0.000     | 377.100   |
| X    |          | 0.980    | 5.578    | 5.786   | 0.270    | 3.958     | 5.046     | 0.000     | 375.700   |
| σ    |          | 0.121    | 0.287    | 0.480   | 0.747    | 0.785     | 1.187     | 0.000     | 2.043     |
| %RSD |          | 12.340   | 5.135    | 8.296   | 277.000  | 19.840    | 23.520    | 0.000     | 0.544     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh    | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:21:29 | 79.475%  | 6.188    | 6.266   | 77.726%  | 0.003     | 0.009     | -0.020    | -0.076    |
| 2    | 21:22:11 | 80.486%  | 2.817    | 3.098   | 78.870%  | 0.003     | 0.024     | 0.051     | -0.058    |
| 3    | 21:22:53 | 81.571%  | 2.095    | 1.973   | 79.216%  | 0.018     | 0.003     | -0.068    | -0.060    |
| X    |          | 80.510%  | 3.700    | 3.779   | 78.604%  | 0.008     | 0.012     | -0.012    | -0.065    |
| σ    |          | 1.048%   | 2.185    | 2.226   | 0.780%   | 0.008     | 0.011     | 0.060     | 0.010     |
| %RSD |          | 1.302    | 59.050   | 58.900  | 0.992    | 103.000   | 89.190    | 486.800   | 15.760    |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb    | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:21:29 | 80.623%  | 11.590   | 8.089   | 8.074    | 162.000   | 162.000   | 85.302%   | 86.833%   |
| 2    | 21:22:11 | 81.862%  | 6.962    | 5.247   | 5.191    | 163.200   | 161.700   | 87.610%   | 89.108%   |
| 3    | 21:22:53 | 82.485%  | 5.285    | 3.224   | 3.175    | 163.800   | 164.000   | 88.301%   | 89.762%   |
| X    |          | 81.657%  | 7.945    | 5.520   | 5.480    | 163.000   | 162.600   | 87.071%   | 88.568%   |
| σ    |          | 0.948%   | 3.265    | 2.444   | 2.463    | 0.939     | 1.226     | 1.571%    | 1.537%    |
| %RSD |          | 1.160    | 41.090   | 44.270  | 44.930   | 0.576     | 0.754     | 1.804     | 1.736     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb    | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb     | ppb      | ppb       | ppb       |           |           |
| 1    | 21:21:29 | 0.045    | 0.037    | 0.090   | 0.051    | 0.083     | 86.395%   |           |           |
| 2    | 21:22:11 | 0.052    | 0.037    | 0.033   | 0.081    | 0.065     | 87.700%   |           |           |
| 3    | 21:22:53 | 0.046    | 0.030    | 0.057   | 0.050    | 0.065     | 87.652%   |           |           |
| X    |          | 0.048    | 0.035    | 0.060   | 0.061    | 0.071     | 87.249%   |           |           |
| σ    |          | 0.004    | 0.004    | 0.029   | 0.018    | 0.010     | 0.740%    |           |           |
| %RSD |          | 8.164    | 12.430   | 48.090  | 29.490   | 14.790    | 0.848     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|----------|---------|-----------|-----------|------------|-----------|-----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 21:25:45 | 80.964% | 0.045    | 83.620  | 83.770    | 0.000     | 106400.000 | 15290.000 | 15310.000 |
| 2    | 21:26:27 | 82.249% | 0.006    | 86.600  | 81.470    | 0.000     | 105500.000 | 15260.000 | 15270.000 |
| 3    | 21:27:08 | 82.717% | 0.043    | 82.660  | 87.050    | 0.000     | 106200.000 | 15410.000 | 15530.000 |
| X    |          | 81.977% | 0.031    | 84.290  | 84.100    | 0.000     | 106000.000 | 15320.000 | 15370.000 |
| σ    |          | 0.907%  | 0.022    | 2.059   | 2.805     | 0.000     | 455.100    | 78.480    | 137.400   |
| %RSD |          | 1.107   | 68.890   | 2.442   | 3.335     | 0.000     | 0.429      | 0.512     | 0.894     |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 21:25:45 | 118.100 | 7063.000 | 0.000   | 1676.000  | 26940.000 | 26630.000  | 76.041%   | 4.346     |
| 2    | 21:26:27 | 115.500 | 7039.000 | 0.000   | 1664.000  | 26990.000 | 26370.000  | 78.341%   | 4.349     |
| 3    | 21:27:08 | 115.200 | 7086.000 | 0.000   | 1685.000  | 27880.000 | 26750.000  | 78.589%   | 4.333     |
| X    |          | 116.300 | 7063.000 | 0.000   | 1675.000  | 27270.000 | 26580.000  | 77.657%   | 4.343     |
| σ    |          | 1.605   | 23.900   | 0.000   | 10.900    | 530.000   | 193.300    | 1.405%    | 0.008     |
| %RSD |          | 1.380   | 0.338    | 0.000   | 0.651     | 1.944     | 0.727      | 1.809     | 0.195     |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 21:25:45 | 0.279   | 0.138    | 179.700 | 11030.000 | 10890.000 | 0.308      | 0.734     | 1.569     |
| 2    | 21:26:27 | 0.276   | 0.152    | 178.600 | 10830.000 | 10860.000 | 0.323      | 0.334     | 1.642     |
| 3    | 21:27:08 | 0.086   | 0.097    | 181.400 | 10890.000 | 10920.000 | 0.313      | 0.431     | 1.386     |
| X    |          | 0.214   | 0.129    | 179.900 | 10920.000 | 10890.000 | 0.315      | 0.500     | 1.532     |
| σ    |          | 0.110   | 0.029    | 1.388   | 102.900   | 30.020    | 0.008      | 0.209     | 0.132     |
| %RSD |          | 51.720  | 22.420   | 0.772   | 0.942     | 0.276     | 2.487      | 41.730    | 8.589     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 21:25:45 | 1.594   | 4.591    | 4.712   | 1.081     | -0.972    | -1.852     | 0.000     | 179.100   |
| 2    | 21:26:27 | 1.216   | 4.259    | 4.561   | 1.562     | -1.421    | -0.357     | 0.000     | 180.000   |
| 3    | 21:27:08 | 1.637   | 5.135    | 5.035   | 1.231     | -1.693    | -0.267     | 0.000     | 182.000   |
| X    |          | 1.482   | 4.662    | 4.769   | 1.291     | -1.362    | -0.825     | 0.000     | 180.300   |
| σ    |          | 0.232   | 0.442    | 0.242   | 0.246     | 0.364     | 0.890      | 0.000     | 1.467     |
| %RSD |          | 15.640  | 9.480    | 5.077   | 19.070    | 26.740    | 107.900    | 0.000     | 0.813     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 21:25:45 | 78.439% | 0.830    | 0.720   | 76.651%   | 0.033     | 0.014      | -0.034    | -0.078    |
| 2    | 21:26:27 | 80.434% | 0.774    | 0.544   | 78.685%   | 0.018     | 0.024      | 0.077     | -0.070    |
| 3    | 21:27:08 | 81.505% | 0.466    | 0.802   | 79.854%   | 0.013     | 0.013      | -0.011    | -0.084    |
| X    |          | 80.126% | 0.690    | 0.689   | 78.397%   | 0.021     | 0.017      | 0.011     | -0.078    |
| σ    |          | 1.556%  | 0.196    | 0.132   | 1.621%    | 0.011     | 0.006      | 0.059     | 0.007     |
| %RSD |          | 1.942   | 28.360   | 19.100  | 2.068     | 50.930    | 34.100     | 538.800   | 9.310     |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 21:25:45 | 79.835% | 3.319    | 1.334   | 1.222     | 52.920    | 56.100     | 84.111%   | 85.787%   |
| 2    | 21:26:27 | 82.421% | 2.646    | 1.019   | 1.036     | 53.590    | 52.400     | 87.789%   | 89.555%   |
| 3    | 21:27:08 | 83.336% | 2.358    | 0.820   | 0.790     | 54.830    | 56.510     | 89.156%   | 90.354%   |
| X    |          | 81.864% | 2.774    | 1.057   | 1.016     | 53.780    | 55.000     | 87.018%   | 88.565%   |
| σ    |          | 1.816%  | 0.493    | 0.259   | 0.217     | 0.968     | 2.265      | 2.609%    | 2.439%    |
| %RSD |          | 2.218   | 17.780   | 24.490  | 21.310    | 1.799     | 4.119      | 2.998     | 2.754     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi      |           |           |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        |           |           |
| 1    | 21:25:45 | 0.010   | 0.023    | 0.362   | 0.415     | 0.411     | 85.627%    |           |           |
| 2    | 21:26:27 | 0.029   | 0.022    | 0.353   | 0.441     | 0.419     | 88.366%    |           |           |
| 3    | 21:27:08 | 0.004   | 0.020    | 0.412   | 0.433     | 0.409     | 88.287%    |           |           |
| X    |          | 0.014   | 0.022    | 0.376   | 0.429     | 0.413     | 87.427%    |           |           |
| σ    |          | 0.013   | 0.001    | 0.032   | 0.013     | 0.005     | 1.559%     |           |           |
| %RSD |          | 92.130  | 6.373    | 8.431   | 3.017     | 1.293     | 1.783      |           |           |

CCV 664806 12/29/2012 9:32:14 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:32:55 | 83.111%  | 99.620   | 96.840   | 94.830    | 0.000     | 47150.000 | 41280.000 | 41460.000 |
| 2    | 21:33:37 | 82.933%  | 98.890   | 95.100   | 96.040    | 0.000     | 47170.000 | 41690.000 | 42120.000 |
| 3    | 21:34:19 | 83.854%  | 100.600  | 95.400   | 95.130    | 0.000     | 47160.000 | 42260.000 | 42220.000 |
| X    |          | 83.299%  | 99.706%  | 95.782%  | 95.334%   | 0.000     | 94.318%   | 83.480%   | 83.867%   |
| σ    |          | 0.489%   | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 0.586    | 0.858    | 0.973    | 0.659     | 0.000     | 0.021     | 1.179     | 0.975     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:32:55 | 464.800  | 4846.000 | 0.000    | 48120.000 | 48130.000 | 47260.000 | 80.370%   | 98.860    |
| 2    | 21:33:37 | 466.400  | 4886.000 | 0.000    | 47850.000 | 48710.000 | 47620.000 | 81.999%   | 103.500   |
| 3    | 21:34:19 | 468.000  | 4871.000 | 0.000    | 47760.000 | 48040.000 | 47900.000 | 82.559%   | 99.010    |
| X    |          | 93.282%  | 97.355%  | 0.000    | 95.823%   | 96.585%   | 95.188%   | 81.643%   | 100.448%  |
| σ    |          | n/a      | n/a      | 0.000    | n/a       | n/a       | n/a       | 1.137%    | n/a       |
| %RSD |          | 0.352    | 0.423    | 0.000    | 0.391     | 0.747     | 0.673     | 1.392     | 2.611     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:32:55 | 96.540   | 98.150   | 478.000  | 24490.000 | 24100.000 | 98.130    | 103.100   | 101.500   |
| 2    | 21:33:37 | 98.080   | 97.770   | 482.000  | 24090.000 | 24230.000 | 98.180    | 100.100   | 98.960    |
| 3    | 21:34:19 | 99.370   | 98.370   | 486.300  | 24040.000 | 24320.000 | 99.740    | 99.940    | 101.800   |
| X    |          | 97.996%  | 98.097%  | 96.417%  | 96.819%   | 96.866%   | 98.685%   | 101.054%  | 100.742%  |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 1.445    | 0.313    | 0.854    | 1.041     | 0.463     | 0.927     | 1.756     | 1.537     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:32:55 | 102.700  | 102.600  | 100.200  | 101.100   | 91.590    | 101.000   | 0.000     | 97.470    |
| 2    | 21:33:37 | 101.200  | 99.400   | 99.930   | 95.970    | 99.030    | 97.800    | 0.000     | 96.430    |
| 3    | 21:34:19 | 99.560   | 101.000  | 100.900  | 97.580    | 94.790    | 95.220    | 0.000     | 96.240    |
| X    |          | 101.153% | 101.027% | 100.350% | 98.216%   | 95.136%   | 98.014%   | 0.000     | 96.711%   |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 1.530    | 1.601    | 0.527    | 2.670     | 3.926     | 2.961     | 0.000     | 0.686     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:32:55 | 80.392%  | 96.880   | 98.160   | 79.515%   | 96.570    | 97.060    | 92.430    | 95.720    |
| 2    | 21:33:37 | 83.268%  | 99.350   | 100.500  | 82.174%   | 97.780    | 99.500    | 98.570    | 98.090    |
| 3    | 21:34:19 | 84.799%  | 102.200  | 102.100  | 83.618%   | 98.030    | 98.790    | 97.280    | 96.440    |
| X    |          | 82.819%  | 99.467%  | 100.256% | 81.769%   | 97.457%   | 98.448%   | 96.093%   | 96.751%   |
| σ    |          | 2.238%   | n/a      | n/a      | 2.082%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 2.702    | 2.660    | 1.997    | 2.546     | 0.803     | 1.279     | 3.373     | 1.256     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:32:55 | 82.043%  | 97.800   | 96.830   | 97.400    | 98.950    | 97.700    | 86.326%   | 87.048%   |
| 2    | 21:33:37 | 84.551%  | 98.380   | 99.750   | 98.550    | 99.600    | 94.810    | 88.164%   | 90.288%   |
| 3    | 21:34:19 | 85.926%  | 98.480   | 100.600  | 99.460    | 101.000   | 97.280    | 91.696%   | 92.841%   |
| X    |          | 84.173%  | 98.218%  | 99.047%  | 98.471%   | 99.835%   | 96.598%   | 88.729%   | 90.059%   |
| σ    |          | 1.969%   | n/a      | n/a      | n/a       | n/a       | n/a       | 2.729%    | 2.903%    |
| %RSD |          | 2.339    | 0.371    | 1.985    | 1.046     | 1.027     | 1.615     | 3.076     | 3.224     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 21:32:55 | 97.110   | 97.170   | 97.880   | 98.030    | 98.120    | 85.163%   |           |           |
| 2    | 21:33:37 | 99.070   | 98.580   | 99.780   | 100.400   | 99.870    | 88.295%   |           |           |
| 3    | 21:34:19 | 99.110   | 99.240   | 98.330   | 100.600   | 99.480    | 90.191%   |           |           |
| X    |          | 98.431%  | 98.331%  | 98.664%  | 99.675%   | 99.157%   | 87.883%   |           |           |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | 2.539%    |           |           |
| %RSD |          | 1.163    | 1.074    | 1.005    | 1.439     | 0.926     | 2.889     |           |           |

CCB6 12/29/2012 9:39:27 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be     | 10B    | 11B     | 13C    | 23Na    | 25Mg    | 26Mg    |
|------|----------|----------|---------|--------|---------|--------|---------|---------|---------|
|      |          | ppb      | ppb     | ppb    | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 21:40:08 | 86.141%  | 0.005   | 1.921  | 2.175   | 0.000  | -22.060 | 20.140  | 21.750  |
| 2    | 21:40:50 | 87.487%  | 0.039   | 1.754  | 2.332   | 0.000  | 12.270  | 36.590  | 40.150  |
| 3    | 21:41:32 | 86.281%  | 0.005   | 2.941  | 2.222   | 0.000  | -7.703  | 32.570  | 35.060  |
| X    |          | 86.636%  | 0.016   | 2.206  | 2.243   | 0.000  | -5.828  | 29.760  | 32.320  |
| σ    |          | 0.740%   | 0.020   | 0.643  | 0.081   | 0.000  | 17.240  | 8.576   | 9.498   |
| %RSD |          | 0.854    | 122.700 | 29.140 | 3.594   | 0.000  | 295.800 | 28.810  | 29.390  |
| Run  | Time     | 27Al     | 28Si    | 37Cl   | 39K     | 43Ca   | 44Ca    | 45Sc    | 47Ti    |
|      |          | ppb      | ppb     | ppb    | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 21:40:08 | -1.203   | 4.935   | 0.000  | 14.570  | 51.050 | 48.280  | 83.155% | 0.038   |
| 2    | 21:40:50 | 0.717    | 4.928   | 0.000  | 29.420  | 72.550 | 77.790  | 83.215% | 0.537   |
| 3    | 21:41:32 | 0.529    | 4.465   | 0.000  | 17.000  | 78.200 | 69.250  | 82.988% | 0.226   |
| X    |          | 0.014    | 4.776   | 0.000  | 20.330  | 67.270 | 65.110  | 83.120% | 0.267   |
| σ    |          | 1.059    | 0.270   | 0.000  | 7.967   | 14.330 | 15.190  | 0.118%  | 0.252   |
| %RSD |          | 7426.000 | 5.643   | 0.000  | 39.180  | 21.300 | 23.330  | 0.141   | 94.530  |
| Run  | Time     | 51V      | 52Cr    | 55Mn   | 56Fe    | 57Fe   | 59Co    | 60Ni    | 63Cu    |
|      |          | ppb      | ppb     | ppb    | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 21:40:08 | 0.029    | -0.001  | 0.297  | 22.590  | 26.600 | 0.050   | 0.052   | 0.330   |
| 2    | 21:40:50 | 0.092    | 0.103   | 0.676  | 25.840  | 30.640 | 0.097   | 0.279   | 0.528   |
| 3    | 21:41:32 | 0.077    | 0.034   | 0.529  | 22.060  | 29.740 | 0.105   | 0.156   | 0.361   |
| X    |          | 0.066    | 0.046   | 0.501  | 23.500  | 28.990 | 0.084   | 0.162   | 0.406   |
| σ    |          | 0.033    | 0.053   | 0.191  | 2.046   | 2.122  | 0.030   | 0.114   | 0.106   |
| %RSD |          | 49.900   | 115.900 | 38.110 | 8.707   | 7.318  | 35.490  | 70.030  | 26.180  |
| Run  | Time     | 65Cu     | 66Zn    | 68Zn   | 75As    | 78Se   | 82Se    | 83Kr    | 88Sr    |
|      |          | ppb      | ppb     | ppb    | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 21:40:08 | 0.336    | 0.486   | 0.601  | -0.369  | -0.697 | -1.312  | 0.000   | 0.465   |
| 2    | 21:40:50 | 0.396    | 0.482   | 0.640  | -0.087  | -0.013 | -0.818  | 0.000   | 0.961   |
| 3    | 21:41:32 | 0.420    | 0.326   | 1.067  | -0.314  | -0.454 | -0.490  | 0.000   | 0.781   |
| X    |          | 0.384    | 0.431   | 0.770  | -0.257  | -0.388 | -0.873  | 0.000   | 0.736   |
| σ    |          | 0.043    | 0.091   | 0.259  | 0.150   | 0.347  | 0.414   | 0.000   | 0.251   |
| %RSD |          | 11.320   | 21.210  | 33.640 | 58.290  | 89.420 | 47.390  | 0.000   | 34.100  |
| Run  | Time     | 89Y      | 95Mo    | 98Mo   | 103Rh   | 107Ag  | 109Ag   | 111Cd   | 114Cd   |
|      |          | ppb      | ppb     | ppb    | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 21:40:08 | 83.004%  | 0.415   | 0.428  | 84.295% | 0.062  | 0.047   | 0.108   | 0.022   |
| 2    | 21:40:50 | 83.621%  | 0.395   | 0.390  | 85.246% | 0.057  | 0.066   | 0.160   | 0.008   |
| 3    | 21:41:32 | 82.853%  | 0.336   | 0.269  | 84.928% | 0.034  | 0.057   | 0.109   | 0.023   |
| X    |          | 83.159%  | 0.382   | 0.363  | 84.823% | 0.051  | 0.057   | 0.126   | 0.018   |
| σ    |          | 0.407%   | 0.041   | 0.083  | 0.484%  | 0.015  | 0.009   | 0.030   | 0.008   |
| %RSD |          | 0.489    | 10.710  | 22.910 | 0.571   | 28.940 | 16.430  | 23.660  | 45.910  |
| Run  | Time     | 115In    | 118Sn   | 121Sb  | 123Sb   | 135Ba  | 137Ba   | 159Tb   | 165Ho   |
|      |          | ppb      | ppb     | ppb    | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 21:40:08 | 83.516%  | 1.897   | 0.241  | 0.202   | 0.171  | 0.150   | 85.477% | 86.410% |
| 2    | 21:40:50 | 85.218%  | 1.895   | 0.271  | 0.255   | 0.476  | 0.239   | 86.296% | 87.390% |
| 3    | 21:41:32 | 84.878%  | 1.857   | 0.226  | 0.294   | 0.294  | 0.450   | 87.169% | 87.216% |
| X    |          | 84.537%  | 1.883   | 0.246  | 0.250   | 0.313  | 0.280   | 86.314% | 87.005% |
| σ    |          | 0.901%   | 0.022   | 0.023  | 0.046   | 0.153  | 0.154   | 0.846%  | 0.523%  |
| %RSD |          | 1.066    | 1.181   | 9.171  | 18.490  | 48.920 | 54.990  | 0.981   | 0.601   |
| Run  | Time     | 203Tl    | 205Tl   | 206Pb  | 207Pb   | 208Pb  | 209Bi   |         |         |
|      |          | ppb      | ppb     | ppb    | ppb     | ppb    | ppb     |         |         |
| 1    | 21:40:08 | 0.049    | 0.068   | 0.053  | 0.049   | 0.060  | 88.786% |         |         |
| 2    | 21:40:50 | 0.088    | 0.089   | 0.080  | 0.060   | 0.077  | 89.236% |         |         |
| 3    | 21:41:32 | 0.082    | 0.069   | 0.056  | 0.056   | 0.050  | 89.319% |         |         |
| X    |          | 0.073    | 0.075   | 0.063  | 0.055   | 0.062  | 89.114% |         |         |
| σ    |          | 0.021    | 0.012   | 0.015  | 0.006   | 0.013  | 0.287%  |         |         |
| %RSD |          | 28.840   | 15.980  | 23.570 | 10.350  | 21.530 | 0.322   |         |         |

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12/29/2012 9:43:45 PM

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B    | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|--------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:44:26 | 84.630% | -0.031   | 46.630 | 46.090    | 0.000     | 34690.000 | 14930.000 | 14960.000 |
| 2    | 21:45:08 | 86.369% | -0.031   | 46.460 | 48.410    | 0.000     | 34220.000 | 14940.000 | 14990.000 |
| 3    | 21:45:50 | 84.984% | -0.031   | 49.990 | 48.340    | 0.000     | 34570.000 | 15150.000 | 15220.000 |
| X    |          | 85.328% | -0.031   | 47.690 | 47.610    | 0.000     | 34490.000 | 15010.000 | 15050.000 |
| σ    |          | 0.919%  | 0.000    | 1.987  | 1.322     | 0.000     | 245.600   | 127.300   | 142.300   |
| %RSD |          | 1.077   | 0.000    | 4.167  | 2.777     | 0.000     | 0.712     | 0.848     | 0.946     |
| Run  | Time     | 27Al    | 28Si     | 37Cl   | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:44:26 | 0.376   | 5069.000 | 0.000  | 2424.000  | 19790.000 | 19090.000 | 80.864%   | 2.224     |
| 2    | 21:45:08 | 0.669   | 5050.000 | 0.000  | 2438.000  | 19410.000 | 19120.000 | 82.175%   | 1.492     |
| 3    | 21:45:50 | 0.591   | 5115.000 | 0.000  | 2470.000  | 19670.000 | 19440.000 | 82.537%   | 1.736     |
| X    |          | 0.546   | 5078.000 | 0.000  | 2444.000  | 19620.000 | 19220.000 | 81.859%   | 1.817     |
| σ    |          | 0.152   | 33.530   | 0.000  | 23.570    | 194.400   | 192.000   | 0.880%    | 0.373     |
| %RSD |          | 27.810  | 0.660    | 0.000  | 0.965     | 0.991     | 0.999     | 1.075     | 20.510    |
| Run  | Time     | 51V     | 52Cr     | 55Mn   | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:44:26 | -0.007  | -0.199   | 39.050 | 10390.000 | 9937.000  | 0.483     | 0.531     | 0.974     |
| 2    | 21:45:08 | -0.065  | -0.135   | 38.940 | 10250.000 | 10010.000 | 0.498     | 0.480     | 0.778     |
| 3    | 21:45:50 | -0.114  | -0.178   | 39.640 | 10290.000 | 10090.000 | 0.524     | 0.475     | 0.794     |
| X    |          | -0.062  | -0.171   | 39.210 | 10310.000 | 10010.000 | 0.502     | 0.495     | 0.848     |
| σ    |          | 0.053   | 0.032    | 0.374  | 71.240    | 77.120    | 0.020     | 0.031     | 0.109     |
| %RSD |          | 86.090  | 19.010   | 0.954  | 0.691     | 0.770     | 4.077     | 6.287     | 12.810    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn   | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:44:26 | 0.966   | 14.580   | 13.840 | 12.170    | -1.355    | -1.463    | 0.000     | 118.600   |
| 2    | 21:45:08 | 0.798   | 15.480   | 16.250 | 11.970    | -1.762    | 0.481     | 0.000     | 118.900   |
| 3    | 21:45:50 | 0.960   | 13.960   | 14.020 | 12.750    | -1.064    | -0.525    | 0.000     | 122.100   |
| X    |          | 0.908   | 14.670   | 14.700 | 12.300    | -1.394    | -0.502    | 0.000     | 119.900   |
| σ    |          | 0.096   | 0.761    | 1.344  | 0.401     | 0.350     | 0.972     | 0.000     | 1.965     |
| %RSD |          | 10.520  | 5.186    | 9.142  | 3.264     | 25.140    | 193.600   | 0.000     | 1.639     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo   | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:44:26 | 81.775% | 0.433    | 0.627  | 81.219%   | -0.002    | 0.003     | 0.087     | 0.102     |
| 2    | 21:45:08 | 83.443% | 0.507    | 0.520  | 83.165%   | -0.006    | 0.003     | 0.095     | 0.000     |
| 3    | 21:45:50 | 83.675% | 0.540    | 0.529  | 84.071%   | 0.012     | 0.003     | 0.205     | 0.164     |
| X    |          | 82.964% | 0.493    | 0.559  | 82.818%   | 0.001     | 0.003     | 0.129     | 0.088     |
| σ    |          | 1.037%  | 0.055    | 0.060  | 1.457%    | 0.009     | 0.000     | 0.066     | 0.083     |
| %RSD |          | 1.250   | 11.150   | 10.650 | 1.759     | 813.600   | 6.709     | 50.920    | 93.440    |
| Run  | Time     | 115In   | 118Sn    | 121Sb  | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:44:26 | 82.257% | 1.590    | 0.234  | 0.251     | 58.950    | 60.170    | 85.014%   | 86.720%   |
| 2    | 21:45:08 | 85.156% | 1.368    | 0.270  | 0.152     | 59.710    | 58.820    | 88.917%   | 89.643%   |
| 3    | 21:45:50 | 85.808% | 1.779    | 0.189  | 0.226     | 59.620    | 59.150    | 89.616%   | 90.668%   |
| X    |          | 84.407% | 1.579    | 0.231  | 0.210     | 59.430    | 59.380    | 87.849%   | 89.011%   |
| σ    |          | 1.890%  | 0.206    | 0.041  | 0.052     | 0.417     | 0.705     | 2.480%    | 2.049%    |
| %RSD |          | 2.239   | 13.030   | 17.560 | 24.620    | 0.701     | 1.187     | 2.823     | 2.302     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb  | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       |           |           |
| 1    | 21:44:26 | 0.009   | 0.012    | 0.907  | 0.937     | 0.934     | 90.783%   |           |           |
| 2    | 21:45:08 | 0.019   | 0.030    | 0.878  | 1.008     | 0.904     | 91.842%   |           |           |
| 3    | 21:45:50 | 0.019   | 0.022    | 0.976  | 0.968     | 0.915     | 91.346%   |           |           |
| X    |          | 0.016   | 0.022    | 0.921  | 0.971     | 0.918     | 91.323%   |           |           |
| σ    |          | 0.006   | 0.009    | 0.050  | 0.036     | 0.015     | 0.530%    |           |           |
| %RSD |          | 38.770  | 40.350   | 5.436  | 3.664     | 1.646     | 0.580     |           |           |



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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B    | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|--------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:48:42 | 85.656% | 0.005    | 50.850 | 47.300    | 0.000     | 35190.000 | 15160.000 | 15280.000 |
| 2    | 21:49:24 | 85.587% | -0.031   | 48.160 | 50.610    | 0.000     | 35100.000 | 15450.000 | 15390.000 |
| 3    | 21:50:06 | 84.839% | -0.031   | 49.200 | 50.680    | 0.000     | 35120.000 | 15540.000 | 15500.000 |
| X    |          | 85.361% | -0.019   | 49.400 | 49.530    | 0.000     | 35140.000 | 15390.000 | 15390.000 |
| σ    |          | 0.453%  | 0.021    | 1.360  | 1.932     | 0.000     | 42.750    | 197.500   | 110.000   |
| %RSD |          | 0.531   | 109.200  | 2.753  | 3.901     | 0.000     | 0.122     | 1.284     | 0.715     |
| Run  | Time     | 27Al    | 28Si     | 37Cl   | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:48:42 | -1.137  | 5190.000 | 0.000  | 2464.000  | 19770.000 | 19360.000 | 83.497%   | 2.152     |
| 2    | 21:49:24 | -1.031  | 5242.000 | 0.000  | 2492.000  | 20380.000 | 19560.000 | 83.960%   | 1.768     |
| 3    | 21:50:06 | -1.465  | 5236.000 | 0.000  | 2489.000  | 19890.000 | 19540.000 | 83.902%   | 1.646     |
| X    |          | -1.211  | 5223.000 | 0.000  | 2482.000  | 20010.000 | 19490.000 | 83.786%   | 1.855     |
| σ    |          | 0.226   | 28.800   | 0.000  | 15.020    | 321.900   | 112.600   | 0.252%    | 0.264     |
| %RSD |          | 18.700  | 0.551    | 0.000  | 0.605     | 1.608     | 0.578     | 0.301     | 14.250    |
| Run  | Time     | 51V     | 52Cr     | 55Mn   | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:48:42 | -0.117  | -0.102   | 40.240 | 10560.000 | 10150.000 | 0.470     | 0.820     | 0.839     |
| 2    | 21:49:24 | -0.044  | -0.124   | 40.420 | 10530.000 | 10260.000 | 0.500     | 0.458     | 0.699     |
| 3    | 21:50:06 | -0.054  | -0.131   | 40.450 | 10470.000 | 10260.000 | 0.540     | 0.423     | 0.592     |
| X    |          | -0.072  | -0.119   | 40.370 | 10520.000 | 10220.000 | 0.504     | 0.567     | 0.710     |
| σ    |          | 0.040   | 0.015    | 0.117  | 47.310    | 65.130    | 0.035     | 0.220     | 0.124     |
| %RSD |          | 55.440  | 12.930   | 0.289  | 0.450     | 0.637     | 7.043     | 38.820    | 17.510    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn   | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:48:42 | 0.832   | 14.230   | 13.600 | 12.870    | 0.005     | -0.982    | 0.000     | 121.300   |
| 2    | 21:49:24 | 0.677   | 13.940   | 12.860 | 12.190    | -0.978    | -1.369    | 0.000     | 120.800   |
| 3    | 21:50:06 | 1.009   | 13.770   | 15.130 | 13.020    | -0.500    | -0.194    | 0.000     | 122.900   |
| X    |          | 0.840   | 13.980   | 13.860 | 12.690    | -0.491    | -0.849    | 0.000     | 121.600   |
| σ    |          | 0.166   | 0.230    | 1.157  | 0.445     | 0.492     | 0.599     | 0.000     | 1.070     |
| %RSD |          | 19.770  | 1.646    | 8.345  | 3.503     | 100.100   | 70.560    | 0.000     | 0.879     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo   | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:48:42 | 83.047% | 0.420    | 0.667  | 82.772%   | 0.007     | 0.003     | 0.230     | 0.226     |
| 2    | 21:49:24 | 84.325% | 0.536    | 0.503  | 84.131%   | 0.003     | -0.002    | 0.249     | 0.150     |
| 3    | 21:50:06 | 83.940% | 0.498    | 0.478  | 84.608%   | -0.002    | -0.007    | 0.208     | 0.146     |
| X    |          | 83.771% | 0.485    | 0.549  | 83.837%   | 0.003     | -0.002    | 0.229     | 0.174     |
| σ    |          | 0.656%  | 0.059    | 0.102  | 0.953%    | 0.005     | 0.005     | 0.021     | 0.045     |
| %RSD |          | 0.783   | 12.190   | 18.640 | 1.137     | 173.000   | 250.700   | 9.058     | 25.940    |
| Run  | Time     | 115In   | 118Sn    | 121Sb  | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:48:42 | 83.451% | 2.387    | 0.195  | 0.181     | 59.420    | 61.050    | 87.925%   | 88.391%   |
| 2    | 21:49:24 | 85.149% | 3.196    | 0.205  | 0.203     | 60.310    | 60.700    | 88.690%   | 90.654%   |
| 3    | 21:50:06 | 85.434% | 2.513    | 0.165  | 0.158     | 60.000    | 60.270    | 89.336%   | 90.957%   |
| X    |          | 84.678% | 2.699    | 0.188  | 0.181     | 59.910    | 60.670    | 88.651%   | 90.001%   |
| σ    |          | 1.072%  | 0.435    | 0.021  | 0.023     | 0.454     | 0.391     | 0.706%    | 1.402%    |
| %RSD |          | 1.266   | 16.130   | 11.090 | 12.560    | 0.759     | 0.644     | 0.797     | 1.558     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb  | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb    | ppb       | ppb       | ppb       |           |           |
| 1    | 21:48:42 | 0.018   | 0.013    | 0.787  | 0.768     | 0.809     | 88.551%   |           |           |
| 2    | 21:49:24 | -0.005  | 0.018    | 0.857  | 0.854     | 0.860     | 90.112%   |           |           |
| 3    | 21:50:06 | 0.000   | 0.014    | 0.860  | 0.923     | 0.882     | 90.132%   |           |           |
| X    |          | 0.004   | 0.015    | 0.834  | 0.848     | 0.850     | 89.598%   |           |           |
| σ    |          | 0.012   | 0.003    | 0.041  | 0.077     | 0.037     | 0.907%    |           |           |
| %RSD |          | 277.900 | 18.490   | 4.957  | 9.129     | 4.370     | 1.012     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be       | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|-----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:52:59 | 84.352% | 0.005     | 39.720  | 42.520    | 0.000     | 46380.000 | 21080.000 | 21140.000 |
| 2    | 21:53:41 | 84.146% | -0.031    | 42.990  | 44.060    | 0.000     | 46090.000 | 21220.000 | 21160.000 |
| 3    | 21:54:23 | 86.084% | 0.005     | 43.380  | 43.380    | 0.000     | 45770.000 | 21140.000 | 21180.000 |
| X    |          | 84.861% | -0.007    | 42.030  | 43.320    | 0.000     | 46080.000 | 21150.000 | 21160.000 |
| σ    |          | 1.065%  | 0.021     | 2.012   | 0.775     | 0.000     | 309.400   | 67.870    | 22.270    |
| %RSD |          | 1.254   | 301.900   | 4.788   | 1.789     | 0.000     | 0.671     | 0.321     | 0.105     |
| Run  | Time     | 27Al    | 28Si      | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:52:59 | 25.130  | 11510.000 | 0.000   | 1028.000  | 30180.000 | 29480.000 | 83.022%   | 2.038     |
| 2    | 21:53:41 | 26.520  | 11510.000 | 0.000   | 1019.000  | 30650.000 | 29270.000 | 84.677%   | 1.813     |
| 3    | 21:54:23 | 25.560  | 11530.000 | 0.000   | 1028.000  | 30190.000 | 29700.000 | 84.619%   | 2.181     |
| X    |          | 25.730  | 11520.000 | 0.000   | 1025.000  | 30340.000 | 29490.000 | 84.106%   | 2.011     |
| σ    |          | 0.710   | 8.818     | 0.000   | 5.262     | 266.900   | 216.000   | 0.939%    | 0.186     |
| %RSD |          | 2.759   | 0.077     | 0.000   | 0.513     | 0.880     | 0.733     | 1.116     | 9.227     |
| Run  | Time     | 51V     | 52Cr      | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:52:59 | 0.071   | -0.085    | 684.300 | 23620.000 | 23190.000 | 0.964     | 0.086     | 1.158     |
| 2    | 21:53:41 | 0.208   | -0.040    | 683.700 | 23130.000 | 23010.000 | 0.872     | 0.276     | 1.177     |
| 3    | 21:54:23 | 0.135   | -0.103    | 688.800 | 23170.000 | 23200.000 | 0.773     | 0.259     | 1.219     |
| X    |          | 0.138   | -0.076    | 685.600 | 23300.000 | 23130.000 | 0.870     | 0.207     | 1.185     |
| σ    |          | 0.069   | 0.032     | 2.775   | 271.000   | 105.500   | 0.096     | 0.105     | 0.031     |
| %RSD |          | 49.800  | 42.360    | 0.405   | 1.163     | 0.456     | 11.020    | 50.930    | 2.610     |
| Run  | Time     | 65Cu    | 66Zn      | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:52:59 | 0.975   | 5.494     | 5.553   | 50.940    | 0.209     | -0.691    | 0.000     | 246.600   |
| 2    | 21:53:41 | 1.234   | 5.357     | 6.030   | 49.920    | -1.710    | -0.313    | 0.000     | 245.800   |
| 3    | 21:54:23 | 1.186   | 6.421     | 6.513   | 51.820    | 0.313     | -0.778    | 0.000     | 247.300   |
| X    |          | 1.132   | 5.758     | 6.032   | 50.890    | -0.396    | -0.594    | 0.000     | 246.600   |
| σ    |          | 0.138   | 0.579     | 0.480   | 0.948     | 1.139     | 0.247     | 0.000     | 0.719     |
| %RSD |          | 12.200  | 10.060    | 7.954   | 1.864     | 287.800   | 41.660    | 0.000     | 0.292     |
| Run  | Time     | 89Y     | 95Mo      | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:52:59 | 84.014% | 0.312     | 0.409   | 83.032%   | 0.007     | -0.002    | 0.075     | 0.003     |
| 2    | 21:53:41 | 85.637% | 0.399     | 0.369   | 85.145%   | -0.002    | -0.002    | 0.049     | -0.008    |
| 3    | 21:54:23 | 86.772% | 0.465     | 0.500   | 85.908%   | 0.016     | 0.003     | -0.044    | -0.064    |
| X    |          | 85.474% | 0.392     | 0.426   | 84.695%   | 0.007     | -0.001    | 0.027     | -0.023    |
| σ    |          | 1.386%  | 0.077     | 0.067   | 1.490%    | 0.009     | 0.003     | 0.062     | 0.036     |
| %RSD |          | 1.622   | 19.650    | 15.690  | 1.759     | 126.000   | 510.900   | 232.600   | 155.800   |
| Run  | Time     | 115In   | 118Sn     | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 21:52:59 | 83.881% | 1.356     | 0.163   | 0.148     | 79.010    | 78.280    | 87.780%   | 89.645%   |
| 2    | 21:53:41 | 87.891% | 0.904     | 0.160   | 0.128     | 74.080    | 75.230    | 91.737%   | 92.061%   |
| 3    | 21:54:23 | 88.466% | 0.729     | 0.145   | 0.139     | 75.780    | 78.840    | 91.614%   | 93.492%   |
| X    |          | 86.746% | 0.996     | 0.156   | 0.138     | 76.290    | 77.450    | 90.377%   | 91.733%   |
| σ    |          | 2.498%  | 0.323     | 0.010   | 0.010     | 2.504     | 1.944     | 2.250%    | 1.945%    |
| %RSD |          | 2.879   | 32.470    | 6.449   | 7.429     | 3.282     | 2.511     | 2.489     | 2.120     |
| Run  | Time     | 203Tl   | 205Tl     | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 21:52:59 | -0.002  | 0.014     | 0.272   | 0.333     | 0.293     | 88.875%   |           |           |
| 2    | 21:53:41 | 0.005   | 0.007     | 0.273   | 0.341     | 0.317     | 91.612%   |           |           |
| 3    | 21:54:23 | 0.008   | 0.006     | 0.296   | 0.314     | 0.321     | 92.774%   |           |           |
| X    |          | 0.004   | 0.009     | 0.280   | 0.329     | 0.310     | 91.087%   |           |           |
| σ    |          | 0.005   | 0.004     | 0.013   | 0.014     | 0.015     | 2.002%    |           |           |
| %RSD |          | 140.300 | 50.240    | 4.753   | 4.202     | 4.874     | 2.198     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B    | 11B      | 13C       | 23Na      | 25Mg     | 26Mg     |
|------|----------|---------|----------|--------|----------|-----------|-----------|----------|----------|
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 21:57:17 | 83.697% | -0.031   | 32.530 | 31.560   | 0.000     | 3513.000  | 3178.000 | 3174.000 |
| 2    | 21:57:59 | 83.326% | -0.031   | 29.940 | 31.430   | 0.000     | 3047.000  | 3187.000 | 3179.000 |
| 3    | 21:58:40 | 82.418% | 0.006    | 32.280 | 34.220   | 0.000     | 3065.000  | 3166.000 | 3159.000 |
| X    |          | 83.147% | -0.018   | 31.580 | 32.400   | 0.000     | 3208.000  | 3177.000 | 3171.000 |
| σ    |          | 0.658%  | 0.021    | 1.430  | 1.574    | 0.000     | 264.000   | 10.490   | 10.410   |
| %RSD |          | 0.791   | 116.400  | 4.528  | 4.857    | 0.000     | 8.228     | 0.330    | 0.328    |
| Run  | Time     | 27Al    | 28Si     | 37Cl   | 39K      | 43Ca      | 44Ca      | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 21:57:17 | 2.854   | 2720.000 | 0.000  | 4239.000 | 23990.000 | 23310.000 | 82.429%  | 1.173    |
| 2    | 21:57:59 | 1.881   | 2715.000 | 0.000  | 4229.000 | 23410.000 | 23350.000 | 81.274%  | 0.743    |
| 3    | 21:58:40 | 2.391   | 2713.000 | 0.000  | 4231.000 | 24040.000 | 23300.000 | 80.623%  | 0.428    |
| X    |          | 2.375   | 2716.000 | 0.000  | 4233.000 | 23810.000 | 23320.000 | 81.442%  | 0.781    |
| σ    |          | 0.486   | 3.688    | 0.000  | 5.418    | 352.600   | 23.770    | 0.915%   | 0.374    |
| %RSD |          | 20.480  | 0.136    | 0.000  | 0.128    | 1.481     | 0.102     | 1.123    | 47.880   |
| Run  | Time     | 51V     | 52Cr     | 55Mn   | 56Fe     | 57Fe      | 59Co      | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 21:57:17 | 1.494   | 0.131    | 40.090 | 148.800  | 222.000   | 0.491     | 0.229    | 2.746    |
| 2    | 21:57:59 | 1.186   | 0.037    | 39.590 | 117.700  | 187.300   | 0.633     | 0.304    | 2.336    |
| 3    | 21:58:40 | 1.534   | 0.148    | 39.850 | 115.200  | 186.700   | 0.561     | 0.408    | 2.579    |
| X    |          | 1.405   | 0.105    | 39.850 | 127.200  | 198.600   | 0.561     | 0.314    | 2.554    |
| σ    |          | 0.190   | 0.060    | 0.251  | 18.710   | 20.220    | 0.071     | 0.090    | 0.206    |
| %RSD |          | 13.540  | 56.820   | 0.630  | 14.710   | 10.180    | 12.630    | 28.640   | 8.071    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn   | 75As     | 78Se      | 82Se      | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 21:57:17 | 2.100   | 6.452    | 7.013  | 2.550    | -0.557    | 0.479     | 0.000    | 151.800  |
| 2    | 21:57:59 | 2.798   | 6.560    | 6.503  | 2.521    | 0.060     | 1.175     | 0.000    | 151.500  |
| 3    | 21:58:40 | 2.689   | 6.696    | 6.780  | 2.369    | -0.640    | -0.503    | 0.000    | 151.400  |
| X    |          | 2.529   | 6.569    | 6.765  | 2.480    | -0.379    | 0.384     | 0.000    | 151.600  |
| σ    |          | 0.375   | 0.122    | 0.255  | 0.098    | 0.383     | 0.843     | 0.000    | 0.197    |
| %RSD |          | 14.850  | 1.861    | 3.775  | 3.938    | 101.000   | 219.700   | 0.000    | 0.130    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo   | 103Rh    | 107Ag     | 109Ag     | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 21:57:17 | 82.558% | 4.315    | 3.886  | 83.503%  | -0.002    | -0.007    | -0.116   | -0.155   |
| 2    | 21:57:59 | 82.327% | 4.143    | 4.364  | 82.858%  | -0.002    | -0.007    | -0.031   | -0.003   |
| 3    | 21:58:40 | 82.040% | 4.347    | 4.509  | 82.341%  | -0.002    | -0.007    | 0.019    | -0.019   |
| X    |          | 82.308% | 4.268    | 4.253  | 82.901%  | -0.002    | -0.007    | -0.042   | -0.059   |
| σ    |          | 0.260%  | 0.110    | 0.326  | 0.582%   | 0.000     | 0.000     | 0.068    | 0.083    |
| %RSD |          | 0.316   | 2.571    | 7.662  | 0.703    | 1.454     | 0.000     | 160.600  | 140.400  |
| Run  | Time     | 115In   | 118Sn    | 121Sb  | 123Sb    | 135Ba     | 137Ba     | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 21:57:17 | 84.584% | 1.930    | 0.945  | 0.961    | 13.590    | 13.630    | 88.271%  | 88.560%  |
| 2    | 21:57:59 | 84.087% | 2.211    | 1.034  | 0.945    | 13.300    | 13.090    | 88.999%  | 88.736%  |
| 3    | 21:58:40 | 84.022% | 1.909    | 1.101  | 0.954    | 13.760    | 13.800    | 88.010%  | 88.824%  |
| X    |          | 84.231% | 2.016    | 1.027  | 0.954    | 13.550    | 13.500    | 88.427%  | 88.707%  |
| σ    |          | 0.308%  | 0.169    | 0.079  | 0.008    | 0.232     | 0.372     | 0.513%   | 0.134%   |
| %RSD |          | 0.365   | 8.383    | 7.647  | 0.835    | 1.709     | 2.756     | 0.580    | 0.151    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb  | 207Pb    | 208Pb     | 209Bi     |          |          |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       |          |          |
| 1    | 21:57:17 | 0.006   | 0.018    | 0.281  | 0.262    | 0.286     | 90.402%   |          |          |
| 2    | 21:57:59 | 0.017   | 0.019    | 0.264  | 0.258    | 0.267     | 90.390%   |          |          |
| 3    | 21:58:40 | 0.000   | 0.015    | 0.259  | 0.256    | 0.280     | 89.851%   |          |          |
| X    |          | 0.008   | 0.017    | 0.268  | 0.259    | 0.278     | 90.214%   |          |          |
| σ    |          | 0.008   | 0.002    | 0.012  | 0.003    | 0.009     | 0.315%    |          |          |
| %RSD |          | 107.900 | 12.820   | 4.309  | 1.185    | 3.417     | 0.349     |          |          |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B    | 11B     | 13C      | 23Na     | 25Mg    | 26Mg    |
|------|----------|---------|---------|--------|---------|----------|----------|---------|---------|
|      |          | ppb     | ppb     | ppb    | ppb     | ppb      | ppb      | ppb     | ppb     |
| 1    | 22:01:35 | 79.161% | -0.031  | 7.470  | 8.543   | 0.000    | 599.800  | 642.000 | 653.900 |
| 2    | 22:02:17 | 81.915% | -0.031  | 8.978  | 7.637   | 0.000    | 571.900  | 645.600 | 636.700 |
| 3    | 22:02:58 | 81.276% | -0.031  | 6.604  | 7.758   | 0.000    | 559.200  | 641.400 | 636.300 |
| X    |          | 80.784% | -0.031  | 7.684  | 7.980   | 0.000    | 577.000  | 643.000 | 642.300 |
| σ    |          | 1.441%  | 0.000   | 1.201  | 0.492   | 0.000    | 20.750   | 2.259   | 10.050  |
| %RSD |          | 1.784   | 0.000   | 15.640 | 6.163   | 0.000    | 3.596    | 0.351   | 1.565   |
| Run  | Time     | 27Al    | 28Si    | 37Cl   | 39K     | 43Ca     | 44Ca     | 45Sc    | 47Ti    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb      | ppb      | ppb     | ppb     |
| 1    | 22:01:35 | -0.234  | 539.500 | 0.000  | 835.500 | 4892.000 | 4623.000 | 77.222% | 0.451   |
| 2    | 22:02:17 | -1.338  | 538.900 | 0.000  | 833.300 | 5004.000 | 4647.000 | 76.687% | 0.116   |
| 3    | 22:02:58 | -2.528  | 535.200 | 0.000  | 831.900 | 4447.000 | 4619.000 | 76.103% | 0.254   |
| X    |          | -1.366  | 537.900 | 0.000  | 833.600 | 4781.000 | 4630.000 | 76.671% | 0.273   |
| σ    |          | 1.147   | 2.344   | 0.000  | 1.808   | 294.600  | 15.430   | 0.560%  | 0.168   |
| %RSD |          | 83.970  | 0.436   | 0.000  | 0.217   | 6.162    | 0.333    | 0.730   | 61.620  |
| Run  | Time     | 51V     | 52Cr    | 55Mn   | 56Fe    | 57Fe     | 59Co     | 60Ni    | 63Cu    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb      | ppb      | ppb     | ppb     |
| 1    | 22:01:35 | 0.254   | -0.049  | 8.522  | 38.000  | 51.480   | 0.128    | 0.283   | 0.816   |
| 2    | 22:02:17 | 0.231   | -0.015  | 8.380  | 31.430  | 44.960   | 0.107    | 0.104   | 0.879   |
| 3    | 22:02:58 | 0.355   | 0.012   | 8.520  | 27.900  | 45.140   | 0.112    | 0.132   | 0.680   |
| X    |          | 0.280   | -0.017  | 8.474  | 32.440  | 47.190   | 0.116    | 0.173   | 0.792   |
| σ    |          | 0.066   | 0.031   | 0.081  | 5.128   | 3.711    | 0.011    | 0.096   | 0.102   |
| %RSD |          | 23.570  | 175.100 | 0.962  | 15.800  | 7.863    | 9.480    | 55.600  | 12.860  |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn   | 75As    | 78Se     | 82Se     | 83Kr    | 88Sr    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb      | ppb      | ppb     | ppb     |
| 1    | 22:01:35 | 0.740   | 1.154   | 1.842  | 0.571   | -0.572   | 0.144    | 0.000   | 31.650  |
| 2    | 22:02:17 | 1.028   | 1.473   | 1.587  | 0.365   | -1.730   | -0.158   | 0.000   | 30.710  |
| 3    | 22:02:58 | 0.946   | 1.583   | 1.026  | 0.833   | -1.343   | -0.057   | 0.000   | 30.320  |
| X    |          | 0.905   | 1.403   | 1.485  | 0.590   | -1.215   | -0.024   | 0.000   | 30.890  |
| σ    |          | 0.148   | 0.223   | 0.417  | 0.235   | 0.590    | 0.154    | 0.000   | 0.684   |
| %RSD |          | 16.400  | 15.850  | 28.100 | 39.790  | 48.520   | 648.300  | 0.000   | 2.213   |
| Run  | Time     | 89Y     | 95Mo    | 98Mo   | 103Rh   | 107Ag    | 109Ag    | 111Cd   | 114Cd   |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb      | ppb      | ppb     | ppb     |
| 1    | 22:01:35 | 77.397% | 1.071   | 0.714  | 78.952% | 0.003    | 0.009    | -0.055  | -0.117  |
| 2    | 22:02:17 | 78.361% | 0.787   | 0.658  | 79.110% | 0.013    | -0.007   | -0.153  | -0.189  |
| 3    | 22:02:58 | 78.182% | 0.750   | 0.704  | 78.664% | 0.003    | 0.009    | 0.115   | 0.085   |
| X    |          | 77.980% | 0.870   | 0.692  | 78.909% | 0.006    | 0.004    | -0.031  | -0.074  |
| σ    |          | 0.513%  | 0.176   | 0.030  | 0.226%  | 0.006    | 0.009    | 0.136   | 0.142   |
| %RSD |          | 0.657   | 20.190  | 4.311  | 0.287   | 85.700   | 257.800  | 440.600 | 192.600 |
| Run  | Time     | 115In   | 118Sn   | 121Sb  | 123Sb   | 135Ba    | 137Ba    | 159Tb   | 165Ho   |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb      | ppb      | ppb     | ppb     |
| 1    | 22:01:35 | 78.770% | 0.926   | 0.293  | 0.228   | 3.222    | 2.978    | 83.150% | 83.874% |
| 2    | 22:02:17 | 81.117% | 0.729   | 0.290  | 0.288   | 2.744    | 2.831    | 84.456% | 84.568% |
| 3    | 22:02:58 | 80.607% | 0.702   | 0.234  | 0.162   | 2.543    | 2.734    | 84.171% | 85.085% |
| X    |          | 80.165% | 0.786   | 0.272  | 0.226   | 2.836    | 2.848    | 83.926% | 84.509% |
| σ    |          | 1.234%  | 0.123   | 0.033  | 0.063   | 0.349    | 0.123    | 0.687%  | 0.607%  |
| %RSD |          | 1.540   | 15.620  | 12.190 | 27.830  | 12.290   | 4.303    | 0.818   | 0.719   |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb  | 207Pb   | 208Pb    | 209Bi    |         |         |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb      | ppb      |         |         |
| 1    | 22:01:35 | -0.001  | 0.010   | 0.086  | 0.106   | 0.072    | 84.273%  |         |         |
| 2    | 22:02:17 | 0.010   | 0.008   | 0.077  | 0.044   | 0.065    | 85.597%  |         |         |
| 3    | 22:02:58 | 0.010   | 0.014   | 0.055  | 0.055   | 0.064    | 86.154%  |         |         |
| X    |          | 0.006   | 0.011   | 0.073  | 0.068   | 0.067    | 85.341%  |         |         |
| σ    |          | 0.007   | 0.003   | 0.016  | 0.033   | 0.004    | 0.966%   |         |         |
| %RSD |          | 100.300 | 27.320  | 21.780 | 48.780  | 6.579    | 1.132    |         |         |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be       | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:05:53 | 81.123%  | 50.040    | 945.900  | 936.000   | 0.000     | 50120.000 | 44210.000 | 44620.000 |
| 2    | 22:06:35 | 82.071%  | 49.830    | 961.600  | 955.900   | 0.000     | 50250.000 | 44840.000 | 45270.000 |
| 3    | 22:07:17 | 81.524%  | 51.560    | 978.500  | 957.200   | 0.000     | 50400.000 | 45160.000 | 45360.000 |
| X    |          | 81.573%  | 50.470    | 962.000  | 949.700   | 0.000     | 50260.000 | 44740.000 | 45080.000 |
| σ    |          | 0.476%   | 0.944     | 16.300   | 11.880    | 0.000     | 138.300   | 481.400   | 406.300   |
| %RSD |          | 0.583    | 1.871     | 1.695    | 1.251     | 0.000     | 0.275     | 1.076     | 0.901     |
| Run  | Time     | 27Al     | 28Si      | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:05:53 | 1847.000 | 12380.000 | 0.000    | 52620.000 | 70900.000 | 71470.000 | 77.999%   | 982.600   |
| 2    | 22:06:35 | 1873.000 | 12620.000 | 0.000    | 52610.000 | 73550.000 | 73120.000 | 78.235%   | 1005.000  |
| 3    | 22:07:17 | 1884.000 | 12640.000 | 0.000    | 52260.000 | 70770.000 | 72490.000 | 78.943%   | 986.300   |
| X    |          | 1868.000 | 12550.000 | 0.000    | 52500.000 | 71740.000 | 72360.000 | 78.392%   | 991.300   |
| σ    |          | 19.000   | 143.200   | 0.000    | 206.300   | 1568.000  | 831.800   | 0.491%    | 11.920    |
| %RSD |          | 1.017    | 1.141     | 0.000    | 0.393     | 2.186     | 1.149     | 0.626     | 1.202     |
| Run  | Time     | 51V      | 52Cr      | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:05:53 | 494.400  | 195.200   | 530.800  | 975.700   | 1301.000  | 489.500   | 495.900   | 248.400   |
| 2    | 22:06:35 | 504.200  | 197.700   | 537.000  | 991.700   | 1299.000  | 497.000   | 502.100   | 254.500   |
| 3    | 22:07:17 | 503.300  | 199.100   | 536.600  | 991.000   | 1314.000  | 495.900   | 500.900   | 251.200   |
| X    |          | 500.600  | 197.400   | 534.800  | 986.100   | 1305.000  | 494.200   | 499.600   | 251.400   |
| σ    |          | 5.396    | 1.971     | 3.487    | 9.066     | 8.040     | 4.022     | 3.316     | 3.059     |
| %RSD |          | 1.078    | 0.999     | 0.652    | 0.919     | 0.616     | 0.814     | 0.664     | 1.217     |
| Run  | Time     | 65Cu     | 66Zn      | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:05:53 | 246.200  | 487.800   | 490.700  | 41.500    | 10.740    | 9.919     | 0.000     | 1130.000  |
| 2    | 22:06:35 | 255.300  | 485.000   | 491.200  | 41.130    | 10.680    | 8.737     | 0.000     | 1135.000  |
| 3    | 22:07:17 | 250.300  | 491.100   | 498.300  | 42.260    | 6.133     | 8.174     | 0.000     | 1132.000  |
| X    |          | 250.600  | 488.000   | 493.400  | 41.630    | 9.187     | 8.943     | 0.000     | 1132.000  |
| σ    |          | 4.533    | 3.083     | 4.262    | 0.576     | 2.644     | 0.890     | 0.000     | 2.359     |
| %RSD |          | 1.809    | 0.632     | 0.864    | 1.384     | 28.780    | 9.954     | 0.000     | 0.208     |
| Run  | Time     | 89Y      | 95Mo      | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:05:53 | 76.868%  | 1015.000  | 1022.000 | 75.515%   | 49.460    | 49.550    | 47.830    | 39.900    |
| 2    | 22:06:35 | 78.966%  | 1024.000  | 1025.000 | 77.717%   | 48.920    | 49.770    | 48.250    | 43.070    |
| 3    | 22:07:17 | 79.463%  | 1028.000  | 1036.000 | 77.967%   | 50.440    | 50.010    | 49.480    | 41.820    |
| X    |          | 78.432%  | 1022.000  | 1028.000 | 77.066%   | 49.610    | 49.780    | 48.520    | 41.600    |
| σ    |          | 1.378%   | 6.665     | 7.663    | 1.349%    | 0.772     | 0.229     | 0.857     | 1.597     |
| %RSD |          | 1.756    | 0.652     | 0.746    | 1.751     | 1.557     | 0.459     | 1.766     | 3.840     |
| Run  | Time     | 115In    | 118Sn     | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:05:53 | 78.779%  | 2015.000  | 487.100  | 484.700   | 1975.000  | 1987.000  | 84.280%   | 85.910%   |
| 2    | 22:06:35 | 80.860%  | 2029.000  | 493.800  | 494.900   | 1974.000  | 1969.000  | 86.857%   | 88.968%   |
| 3    | 22:07:17 | 81.409%  | 2029.000  | 494.600  | 493.500   | 1967.000  | 1984.000  | 87.471%   | 88.832%   |
| X    |          | 80.349%  | 2024.000  | 491.800  | 491.000   | 1972.000  | 1980.000  | 86.203%   | 87.903%   |
| σ    |          | 1.388%   | 7.820     | 4.106    | 5.511     | 4.079     | 9.308     | 1.693%    | 1.727%    |
| %RSD |          | 1.727    | 0.386     | 0.835    | 1.122     | 0.207     | 0.470     | 1.964     | 1.965     |
| Run  | Time     | 203Tl    | 205Tl     | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 22:05:53 | 48.650   | 49.160    | 19.700   | 20.380    | 20.150    | 85.719%   |           |           |
| 2    | 22:06:35 | 50.520   | 49.440    | 20.300   | 20.420    | 20.410    | 87.574%   |           |           |
| 3    | 22:07:17 | 50.910   | 50.110    | 20.590   | 20.690    | 20.610    | 87.919%   |           |           |
| X    |          | 50.030   | 49.570    | 20.200   | 20.500    | 20.390    | 87.071%   |           |           |
| σ    |          | 1.207    | 0.487     | 0.451    | 0.172     | 0.232     | 1.183%    |           |           |
| %RSD |          | 2.412    | 0.982     | 2.233    | 0.841     | 1.137     | 1.359     |           |           |

## 180-17219-A-6-C MSD

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be       | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:10:10 | 78.556%  | 52.030    | 961.400  | 957.300   | 0.000     | 50470.000 | 44730.000 | 44860.000 |
| 2    | 22:10:52 | 80.106%  | 47.620    | 948.200  | 948.200   | 0.000     | 49410.000 | 44320.000 | 44600.000 |
| 3    | 22:11:33 | 79.312%  | 47.430    | 970.200  | 959.800   | 0.000     | 50000.000 | 45010.000 | 45210.000 |
| X    |          | 79.325%  | 49.030    | 959.900  | 955.100   | 0.000     | 49960.000 | 44690.000 | 44890.000 |
| σ    |          | 0.775%   | 2.600     | 11.110   | 6.123     | 0.000     | 531.900   | 347.800   | 309.300   |
| %RSD |          | 0.978    | 5.304     | 1.157    | 0.641     | 0.000     | 1.065     | 0.778     | 0.689     |
| Run  | Time     | 27Al     | 28Si      | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:10:10 | 1851.000 | 12440.000 | 0.000    | 52100.000 | 70370.000 | 70570.000 | 76.839%   | 974.800   |
| 2    | 22:10:52 | 1844.000 | 12380.000 | 0.000    | 51690.000 | 72190.000 | 71090.000 | 77.074%   | 981.700   |
| 3    | 22:11:33 | 1857.000 | 12430.000 | 0.000    | 51840.000 | 71400.000 | 71760.000 | 76.614%   | 989.800   |
| X    |          | 1851.000 | 12420.000 | 0.000    | 51870.000 | 71320.000 | 71140.000 | 76.842%   | 982.100   |
| σ    |          | 6.339    | 31.270    | 0.000    | 206.400   | 912.100   | 596.300   | 0.230%    | 7.512     |
| %RSD |          | 0.343    | 0.252     | 0.000    | 0.398     | 1.279     | 0.838     | 0.299     | 0.765     |
| Run  | Time     | 51V      | 52Cr      | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:10:10 | 491.600  | 195.500   | 523.300  | 901.800   | 1220.000  | 486.600   | 488.000   | 245.900   |
| 2    | 22:10:52 | 490.100  | 195.100   | 519.800  | 903.300   | 1242.000  | 486.900   | 493.000   | 251.000   |
| 3    | 22:11:33 | 501.600  | 196.700   | 524.300  | 908.100   | 1214.000  | 487.200   | 496.300   | 246.800   |
| X    |          | 494.400  | 195.700   | 522.500  | 904.400   | 1225.000  | 486.900   | 492.400   | 247.900   |
| σ    |          | 6.278    | 0.823     | 2.347    | 3.299     | 15.110    | 0.314     | 4.203     | 2.753     |
| %RSD |          | 1.270    | 0.420     | 0.449    | 0.365     | 1.234     | 0.064     | 0.853     | 1.111     |
| Run  | Time     | 65Cu     | 66Zn      | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:10:10 | 252.500  | 476.200   | 484.800  | 42.190    | 8.618     | 8.293     | 0.000     | 1094.000  |
| 2    | 22:10:52 | 251.000  | 485.600   | 485.300  | 39.850    | 8.607     | 10.100    | 0.000     | 1103.000  |
| 3    | 22:11:33 | 252.600  | 485.200   | 491.200  | 40.130    | 7.631     | 9.042     | 0.000     | 1107.000  |
| X    |          | 252.000  | 482.300   | 487.100  | 40.720    | 8.285     | 9.143     | 0.000     | 1101.000  |
| σ    |          | 0.912    | 5.291     | 3.539    | 1.276     | 0.566     | 0.906     | 0.000     | 6.430     |
| %RSD |          | 0.362    | 1.097     | 0.727    | 3.134     | 6.836     | 9.904     | 0.000     | 0.584     |
| Run  | Time     | 89Y      | 95Mo      | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:10:10 | 78.002%  | 1005.000  | 1018.000 | 75.396%   | 49.180    | 48.530    | 50.230    | 42.090    |
| 2    | 22:10:52 | 79.046%  | 1012.000  | 1023.000 | 76.775%   | 49.060    | 48.940    | 47.250    | 40.490    |
| 3    | 22:11:33 | 79.005%  | 1016.000  | 1024.000 | 76.977%   | 48.640    | 48.820    | 49.020    | 41.050    |
| X    |          | 78.684%  | 1011.000  | 1021.000 | 76.382%   | 48.960    | 48.760    | 48.830    | 41.210    |
| σ    |          | 0.591%   | 5.328     | 3.381    | 0.860%    | 0.281     | 0.210     | 1.497     | 0.812     |
| %RSD |          | 0.751    | 0.527     | 0.331    | 1.126     | 0.573     | 0.431     | 3.065     | 1.971     |
| Run  | Time     | 115In    | 118Sn     | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:10:10 | 77.556%  | 2024.000  | 492.100  | 494.600   | 1959.000  | 1959.000  | 83.399%   | 85.567%   |
| 2    | 22:10:52 | 80.805%  | 2000.000  | 490.200  | 488.900   | 1907.000  | 1936.000  | 87.367%   | 88.407%   |
| 3    | 22:11:33 | 81.833%  | 1988.000  | 488.900  | 489.900   | 1941.000  | 1939.000  | 86.994%   | 88.649%   |
| X    |          | 80.065%  | 2004.000  | 490.400  | 491.100   | 1936.000  | 1945.000  | 85.920%   | 87.541%   |
| σ    |          | 2.232%   | 18.530    | 1.646    | 3.060     | 26.520    | 12.890    | 2.191%    | 1.714%    |
| %RSD |          | 2.788    | 0.925     | 0.336    | 0.623     | 1.370     | 0.663     | 2.550     | 1.958     |
| Run  | Time     | 203Tl    | 205Tl     | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 22:10:10 | 49.820   | 49.450    | 20.400   | 20.020    | 20.310    | 84.271%   |           |           |
| 2    | 22:10:52 | 49.960   | 49.780    | 20.130   | 21.160    | 20.420    | 86.250%   |           |           |
| 3    | 22:11:33 | 50.480   | 49.630    | 20.730   | 20.480    | 20.580    | 86.674%   |           |           |
| X    |          | 50.090   | 49.620    | 20.420   | 20.560    | 20.440    | 85.732%   |           |           |
| σ    |          | 0.347    | 0.166     | 0.299    | 0.570     | 0.139     | 1.283%    |           |           |
| %RSD |          | 0.693    | 0.334     | 1.464    | 2.770     | 0.677     | 1.496     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be       | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:14:25 | 79.899% | -0.031    | 69.420   | 68.790    | 0.000     | 43050.000 | 18160.000 | 18200.000 |
| 2    | 22:15:07 | 81.181% | 0.007     | 66.120   | 69.020    | 0.000     | 42770.000 | 18120.000 | 18220.000 |
| 3    | 22:15:48 | 80.186% | -0.031    | 65.220   | 66.880    | 0.000     | 43160.000 | 18510.000 | 18500.000 |
| X    |          | 80.422% | -0.018    | 66.920   | 68.230    | 0.000     | 42990.000 | 18260.000 | 18310.000 |
| σ    |          | 0.673%  | 0.022     | 2.213    | 1.177     | 0.000     | 200.300   | 216.100   | 169.200   |
| %RSD |          | 0.837   | 119.500   | 3.307    | 1.726     | 0.000     | 0.466     | 1.183     | 0.924     |
| Run  | Time     | 27Al    | 28Si      | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:14:25 | -1.225  | 10650.000 | 0.000    | 12750.000 | 93830.000 | 93040.000 | 77.255%   | 2.802     |
| 2    | 22:15:07 | -2.262  | 10690.000 | 0.000    | 12700.000 | 92920.000 | 93180.000 | 78.597%   | 2.422     |
| 3    | 22:15:48 | -2.186  | 10870.000 | 0.000    | 12800.000 | 94620.000 | 94040.000 | 78.650%   | 1.892     |
| X    |          | -1.891  | 10730.000 | 0.000    | 12750.000 | 93790.000 | 93420.000 | 78.167%   | 2.372     |
| σ    |          | 0.578   | 119.100   | 0.000    | 52.970    | 846.100   | 542.400   | 0.790%    | 0.457     |
| %RSD |          | 30.570  | 1.110     | 0.000    | 0.415     | 0.902     | 0.581     | 1.011     | 19.270    |
| Run  | Time     | 51V     | 52Cr      | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:14:25 | 0.491   | 0.531     | 980.700  | 46370.000 | 46170.000 | 0.238     | 3.667     | 0.824     |
| 2    | 22:15:07 | 0.428   | 0.380     | 981.500  | 45890.000 | 46320.000 | 0.187     | 3.475     | 0.872     |
| 3    | 22:15:48 | 0.309   | 0.479     | 1000.000 | 46340.000 | 46990.000 | 0.195     | 4.046     | 0.713     |
| X    |          | 0.410   | 0.463     | 987.500  | 46200.000 | 46500.000 | 0.206     | 3.729     | 0.803     |
| σ    |          | 0.092   | 0.077     | 11.050   | 269.300   | 436.400   | 0.027     | 0.291     | 0.081     |
| %RSD |          | 22.570  | 16.570    | 1.119    | 0.583     | 0.939     | 13.290    | 7.795     | 10.120    |
| Run  | Time     | 65Cu    | 66Zn      | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:14:25 | 0.961   | 10.220    | 11.060   | 7.903     | -0.333    | -0.825    | 0.000     | 716.800   |
| 2    | 22:15:07 | 0.889   | 10.170    | 10.500   | 8.021     | -2.028    | -1.855    | 0.000     | 711.100   |
| 3    | 22:15:48 | 1.020   | 10.000    | 11.520   | 7.899     | -0.428    | -1.196    | 0.000     | 722.600   |
| X    |          | 0.957   | 10.130    | 11.020   | 7.941     | -0.930    | -1.292    | 0.000     | 716.800   |
| σ    |          | 0.065   | 0.114     | 0.510    | 0.069     | 0.953     | 0.522     | 0.000     | 5.743     |
| %RSD |          | 6.842   | 1.121     | 4.628    | 0.873     | 102.500   | 40.390    | 0.000     | 0.801     |
| Run  | Time     | 89Y     | 95Mo      | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:14:25 | 77.770% | 8.684     | 8.910    | 76.636%   | 0.013     | -0.007    | 0.075     | -0.004    |
| 2    | 22:15:07 | 80.026% | 6.216     | 5.927    | 78.134%   | 0.013     | 0.009     | 0.245     | 0.238     |
| 3    | 22:15:48 | 79.971% | 4.667     | 4.824    | 78.814%   | 0.013     | 0.009     | 0.090     | -0.007    |
| X    |          | 79.256% | 6.522     | 6.554    | 77.861%   | 0.013     | 0.003     | 0.137     | 0.076     |
| σ    |          | 1.287%  | 2.026     | 2.114    | 1.114%    | 0.000     | 0.009     | 0.094     | 0.141     |
| %RSD |          | 1.624   | 31.070    | 32.250   | 1.431     | 2.196     | 264.600   | 68.860    | 185.900   |
| Run  | Time     | 115In   | 118Sn     | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:14:25 | 80.022% | 11.690    | 9.249    | 9.061     | 83.660    | 84.720    | 84.688%   | 86.416%   |
| 2    | 22:15:07 | 81.990% | 7.390     | 6.389    | 6.101     | 84.650    | 82.720    | 87.065%   | 88.491%   |
| 3    | 22:15:48 | 82.324% | 6.022     | 4.663    | 4.326     | 84.970    | 83.850    | 87.704%   | 88.244%   |
| X    |          | 81.445% | 8.366     | 6.767    | 6.496     | 84.420    | 83.760    | 86.486%   | 87.717%   |
| σ    |          | 1.244%  | 2.956     | 2.316    | 2.392     | 0.683     | 1.004     | 1.589%    | 1.133%    |
| %RSD |          | 1.527   | 35.330    | 34.230   | 36.830    | 0.809     | 1.198     | 1.837     | 1.292     |
| Run  | Time     | 203Tl   | 205Tl     | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 22:14:25 | 0.010   | 0.003     | 1.484    | 1.379     | 1.430     | 87.514%   |           |           |
| 2    | 22:15:07 | -0.002  | 0.004     | 1.374    | 1.369     | 1.472     | 89.106%   |           |           |
| 3    | 22:15:48 | -0.002  | 0.005     | 1.516    | 1.490     | 1.483     | 88.598%   |           |           |
| X    |          | 0.002   | 0.004     | 1.458    | 1.413     | 1.462     | 88.406%   |           |           |
| σ    |          | 0.007   | 0.001     | 0.074    | 0.067     | 0.028     | 0.814%    |           |           |
| %RSD |          | 372.700 | 25.210    | 5.107    | 4.758     | 1.930     | 0.920     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:18:40 | 82.366% | -0.031   | 193.300 | 188.800   | 0.000     | 44250.000 | 21380.000 | 21470.000 |
| 2    | 22:19:22 | 82.828% | 0.006    | 188.200 | 190.200   | 0.000     | 44200.000 | 21470.000 | 21520.000 |
| 3    | 22:20:03 | 83.742% | 0.042    | 187.800 | 188.100   | 0.000     | 43940.000 | 21550.000 | 21520.000 |
| X    |          | 82.979% | 0.006    | 189.700 | 189.000   | 0.000     | 44130.000 | 21470.000 | 21500.000 |
| σ    |          | 0.700%  | 0.036    | 3.067   | 1.080     | 0.000     | 166.600   | 86.680    | 26.650    |
| %RSD |          | 0.844   | 622.800  | 1.617   | 0.572     | 0.000     | 0.378     | 0.404     | 0.124     |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:18:40 | 152.000 | 8752.000 | 0.000   | 6425.000  | 68280.000 | 67650.000 | 80.820%   | 4.731     |
| 2    | 22:19:22 | 151.300 | 8821.000 | 0.000   | 6485.000  | 69140.000 | 67950.000 | 81.926%   | 5.045     |
| 3    | 22:20:03 | 151.700 | 8803.000 | 0.000   | 6514.000  | 69020.000 | 67480.000 | 81.928%   | 4.662     |
| X    |          | 151.700 | 8792.000 | 0.000   | 6475.000  | 68810.000 | 67690.000 | 81.558%   | 4.813     |
| σ    |          | 0.335   | 35.890   | 0.000   | 45.300    | 463.600   | 239.300   | 0.639%    | 0.204     |
| %RSD |          | 0.221   | 0.408    | 0.000   | 0.700     | 0.674     | 0.354     | 0.783     | 4.239     |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:18:40 | 0.925   | 0.300    | 139.500 | 59820.000 | 59740.000 | 11.670    | 2.109     | 1.278     |
| 2    | 22:19:22 | 0.759   | 0.374    | 139.300 | 59000.000 | 59920.000 | 11.770    | 2.206     | 1.688     |
| 3    | 22:20:03 | 0.720   | 0.316    | 141.800 | 58930.000 | 60100.000 | 11.850    | 2.051     | 1.456     |
| X    |          | 0.801   | 0.330    | 140.200 | 59250.000 | 59920.000 | 11.760    | 2.122     | 1.474     |
| σ    |          | 0.109   | 0.039    | 1.350   | 493.800   | 178.900   | 0.094     | 0.078     | 0.206     |
| %RSD |          | 13.560  | 11.840   | 0.963   | 0.833     | 0.299     | 0.799     | 3.674     | 13.940    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:18:40 | 1.398   | 151.600  | 147.300 | 25.880    | -0.974    | -1.378    | 0.000     | 579.400   |
| 2    | 22:19:22 | 1.581   | 146.900  | 151.000 | 26.510    | -0.082    | 1.559     | 0.000     | 581.200   |
| 3    | 22:20:03 | 1.529   | 148.500  | 148.800 | 27.360    | -1.177    | 0.849     | 0.000     | 577.800   |
| X    |          | 1.503   | 149.000  | 149.000 | 26.580    | -0.744    | 0.344     | 0.000     | 579.500   |
| σ    |          | 0.094   | 2.379    | 1.840   | 0.744     | 0.582     | 1.533     | 0.000     | 1.712     |
| %RSD |          | 6.245   | 1.596    | 1.235   | 2.799     | 78.250    | 446.000   | 0.000     | 0.295     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:18:40 | 81.062% | 2.549    | 2.392   | 79.820%   | 0.003     | 0.003     | 0.079     | 0.063     |
| 2    | 22:19:22 | 82.729% | 2.214    | 2.014   | 81.630%   | 0.012     | -0.002    | 0.019     | -0.033    |
| 3    | 22:20:03 | 83.711% | 1.862    | 1.804   | 82.633%   | 0.003     | 0.003     | 0.203     | 0.081     |
| X    |          | 82.501% | 2.208    | 2.070   | 81.361%   | 0.006     | 0.001     | 0.100     | 0.037     |
| σ    |          | 1.339%  | 0.344    | 0.298   | 1.426%    | 0.005     | 0.003     | 0.094     | 0.062     |
| %RSD |          | 1.623   | 15.560   | 14.390  | 1.752     | 89.190    | 202.200   | 93.510    | 166.400   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:18:40 | 81.427% | 4.834    | 1.927   | 2.041     | 141.700   | 141.800   | 86.011%   | 87.714%   |
| 2    | 22:19:22 | 83.559% | 4.053    | 1.617   | 1.750     | 140.000   | 142.400   | 89.652%   | 89.230%   |
| 3    | 22:20:03 | 85.104% | 3.586    | 1.455   | 1.688     | 140.300   | 142.000   | 90.770%   | 91.232%   |
| X    |          | 83.363% | 4.158    | 1.666   | 1.826     | 140.700   | 142.100   | 88.811%   | 89.392%   |
| σ    |          | 1.846%  | 0.631    | 0.240   | 0.189     | 0.910     | 0.307     | 2.488%    | 1.765%    |
| %RSD |          | 2.214   | 15.160   | 14.390  | 10.320    | 0.647     | 0.216     | 2.802     | 1.974     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 22:18:40 | -0.013  | 0.013    | 1.587   | 1.663     | 1.589     | 87.091%   |           |           |
| 2    | 22:19:22 | -0.011  | 0.012    | 1.517   | 1.559     | 1.544     | 89.557%   |           |           |
| 3    | 22:20:03 | 0.006   | 0.007    | 1.556   | 1.521     | 1.536     | 90.122%   |           |           |
| X    |          | -0.006  | 0.010    | 1.553   | 1.581     | 1.556     | 88.923%   |           |           |
| σ    |          | 0.010   | 0.003    | 0.035   | 0.073     | 0.029     | 1.612%    |           |           |
| %RSD |          | 173.000 | 29.000   | 2.275   | 4.635     | 1.857     | 1.812     |           |           |



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12/29/2012 10:22:14 PM

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be       | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|-----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:22:56 | 81.832% | 0.007     | 224.500 | 219.500   | 0.000     | 78220.000 | 34360.000 | 34450.000 |
| 2    | 22:23:38 | 82.500% | -0.031    | 216.900 | 218.400   | 0.000     | 77550.000 | 34640.000 | 34750.000 |
| 3    | 22:24:19 | 85.304% | -0.031    | 209.600 | 207.700   | 0.000     | 75510.000 | 33900.000 | 34110.000 |
| X    |          | 83.212% | -0.018    | 217.000 | 215.200   | 0.000     | 77090.000 | 34300.000 | 34440.000 |
| σ    |          | 1.842%  | 0.021     | 7.464   | 6.535     | 0.000     | 1414.000  | 373.200   | 322.100   |
| %RSD |          | 2.214   | 117.600   | 3.440   | 3.037     | 0.000     | 1.835     | 1.088     | 0.935     |
| Run  | Time     | 27Al    | 28Si      | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:22:56 | 0.207   | 8656.000  | 0.000   | 13920.000 | 85480.000 | 84810.000 | 81.006%   | 2.605     |
| 2    | 22:23:38 | -0.190  | 8678.000  | 0.000   | 13900.000 | 86410.000 | 85630.000 | 81.736%   | 2.961     |
| 3    | 22:24:19 | -0.317  | 8534.000  | 0.000   | 13640.000 | 84790.000 | 85130.000 | 83.224%   | 2.783     |
| X    |          | -0.100  | 8623.000  | 0.000   | 13820.000 | 85560.000 | 85190.000 | 81.989%   | 2.783     |
| σ    |          | 0.273   | 77.460    | 0.000   | 156.200   | 814.000   | 417.500   | 1.130%    | 0.178     |
| %RSD |          | 273.100 | 0.898     | 0.000   | 1.131     | 0.951     | 0.490     | 1.379     | 6.409     |
| Run  | Time     | 51V     | 52Cr      | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:22:56 | 0.893   | 0.100     | 229.900 | 57630.000 | 57670.000 | 4.249     | 1.116     | 0.768     |
| 2    | 22:23:38 | 0.709   | 0.027     | 231.500 | 57120.000 | 58320.000 | 4.299     | 0.732     | 0.726     |
| 3    | 22:24:19 | 0.799   | -0.037    | 229.200 | 56270.000 | 57740.000 | 4.176     | 1.484     | 0.829     |
| X    |          | 0.800   | 0.030     | 230.200 | 57010.000 | 57910.000 | 4.241     | 1.111     | 0.774     |
| σ    |          | 0.092   | 0.068     | 1.192   | 684.000   | 357.900   | 0.062     | 0.376     | 0.051     |
| %RSD |          | 11.490  | 228.000   | 0.518   | 1.200     | 0.618     | 1.454     | 33.830    | 6.642     |
| Run  | Time     | 65Cu    | 66Zn      | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:22:56 | 0.691   | 9.515     | 9.873   | 26.510    | -1.831    | 0.202     | 0.000     | 576.800   |
| 2    | 22:23:38 | 0.596   | 10.230    | 10.530  | 27.410    | -0.427    | -0.177    | 0.000     | 584.700   |
| 3    | 22:24:19 | 0.810   | 9.255     | 10.700  | 27.770    | -1.537    | -0.756    | 0.000     | 581.600   |
| X    |          | 0.699   | 9.667     | 10.370  | 27.230    | -1.265    | -0.244    | 0.000     | 581.100   |
| σ    |          | 0.107   | 0.505     | 0.439   | 0.645     | 0.741     | 0.482     | 0.000     | 4.004     |
| %RSD |          | 15.330  | 5.227     | 4.237   | 2.368     | 58.560    | 197.700   | 0.000     | 0.689     |
| Run  | Time     | 89Y     | 95Mo      | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:22:56 | 81.460% | 0.654     | 0.550   | 79.646%   | -0.002    | -0.007    | 0.080     | 0.018     |
| 2    | 22:23:38 | 82.438% | 0.468     | 0.576   | 81.270%   | 0.003     | 0.003     | 0.023     | -0.033    |
| 3    | 22:24:19 | 83.575% | 0.329     | 0.573   | 82.273%   | -0.006    | 0.003     | -0.025    | -0.117    |
| X    |          | 82.491% | 0.484     | 0.567   | 81.063%   | -0.002    | -0.000    | 0.026     | -0.044    |
| σ    |          | 1.059%  | 0.163     | 0.014   | 1.326%    | 0.005     | 0.006     | 0.053     | 0.068     |
| %RSD |          | 1.283   | 33.690    | 2.467   | 1.635     | 265.800   | 1910.000  | 201.500   | 154.100   |
| Run  | Time     | 115In   | 118Sn     | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:22:56 | 81.926% | 2.810     | 0.928   | 0.918     | 167.700   | 166.600   | 87.054%   | 88.675%   |
| 2    | 22:23:38 | 84.287% | 2.421     | 0.915   | 0.967     | 162.500   | 162.700   | 90.249%   | 91.291%   |
| 3    | 22:24:19 | 84.937% | 2.659     | 0.858   | 0.806     | 163.000   | 165.200   | 91.416%   | 91.436%   |
| X    |          | 83.717% | 2.630     | 0.900   | 0.897     | 164.400   | 164.900   | 89.573%   | 90.467%   |
| σ    |          | 1.584%  | 0.197     | 0.037   | 0.082     | 2.859     | 1.995     | 2.258%    | 1.554%    |
| %RSD |          | 1.893   | 7.473     | 4.134   | 9.201     | 1.739     | 1.210     | 2.521     | 1.718     |
| Run  | Time     | 203Tl   | 205Tl     | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 22:22:56 | -0.008  | 0.003     | 0.410   | 0.348     | 0.375     | 88.001%   |           |           |
| 2    | 22:23:38 | 0.017   | 0.005     | 0.356   | 0.371     | 0.354     | 89.953%   |           |           |
| 3    | 22:24:19 | 0.000   | -0.008    | 0.357   | 0.338     | 0.369     | 90.528%   |           |           |
| X    |          | 0.003   | -0.000    | 0.375   | 0.352     | 0.366     | 89.494%   |           |           |
| σ    |          | 0.013   | 0.007     | 0.031   | 0.017     | 0.011     | 1.325%    |           |           |
| %RSD |          | 391.100 | 22580.000 | 8.198   | 4.786     | 2.886     | 1.480     |           |           |

CCV 664806 12/29/2012 10:29:26 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:30:07 | 81.939% | 101.000  | 99.280   | 96.110    | 0.000     | 48310.000 | 41900.000 | 42260.000 |
| 2    | 22:30:49 | 83.037% | 103.700  | 92.380   | 97.050    | 0.000     | 47710.000 | 42120.000 | 42400.000 |
| 3    | 22:31:31 | 84.512% | 99.580   | 96.170   | 96.460    | 0.000     | 47240.000 | 42090.000 | 42200.000 |
| X    |          | 83.163% | 101.402% | 95.943%  | 96.538%   | 0.000     | 95.506%   | 84.070%   | 84.571%   |
| σ    |          | 1.291%  | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 1.552   | 2.042    | 3.599    | 0.491     | 0.000     | 1.129     | 0.275     | 0.245     |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:30:07 | 471.200 | 4928.000 | 0.000    | 48410.000 | 48370.000 | 47520.000 | 82.719%   | 94.280    |
| 2    | 22:30:49 | 469.200 | 4941.000 | 0.000    | 47960.000 | 48000.000 | 47830.000 | 83.918%   | 101.000   |
| 3    | 22:31:31 | 470.400 | 4911.000 | 0.000    | 47600.000 | 47330.000 | 47600.000 | 85.789%   | 96.310    |
| X    |          | 94.057% | 98.532%  | 0.000    | 95.982%   | 95.796%   | 95.299%   | 84.142%   | 97.182%   |
| σ    |          | n/a     | n/a      | 0.000    | n/a       | n/a       | n/a       | 1.548%    | n/a       |
| %RSD |          | 0.211   | 0.299    | 0.000    | 0.843     | 1.099     | 0.341     | 1.839     | 3.519     |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:30:07 | 96.040  | 97.670   | 477.000  | 24660.000 | 24200.000 | 97.890    | 96.950    | 99.850    |
| 2    | 22:30:49 | 98.810  | 98.020   | 482.700  | 24310.000 | 24480.000 | 99.220    | 99.350    | 100.100   |
| 3    | 22:31:31 | 97.950  | 98.000   | 479.900  | 23920.000 | 24160.000 | 98.370    | 101.400   | 99.180    |
| X    |          | 97.601% | 97.895%  | 95.975%  | 97.194%   | 97.118%   | 98.494%   | 99.228%   | 99.694%   |
| σ    |          | n/a     | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 1.457   | 0.203    | 0.592    | 1.521     | 0.707     | 0.685     | 2.237     | 0.463     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:30:07 | 99.400  | 101.800  | 100.100  | 99.590    | 97.070    | 96.810    | 0.000     | 97.480    |
| 2    | 22:30:49 | 100.100 | 99.080   | 104.700  | 99.230    | 96.310    | 98.200    | 0.000     | 97.750    |
| 3    | 22:31:31 | 97.780  | 100.800  | 99.390   | 99.580    | 106.300   | 103.100   | 0.000     | 96.720    |
| X    |          | 99.092% | 100.569% | 101.411% | 99.465%   | 99.891%   | 99.375%   | 0.000     | 97.315%   |
| σ    |          | n/a     | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 1.202   | 1.379    | 2.839    | 0.209     | 5.566     | 3.337     | 0.000     | 0.548     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:30:07 | 82.846% | 98.190   | 99.240   | 81.251%   | 96.560    | 98.100    | 96.480    | 96.180    |
| 2    | 22:30:49 | 84.581% | 99.030   | 99.730   | 84.005%   | 98.660    | 98.740    | 96.620    | 97.810    |
| 3    | 22:31:31 | 86.919% | 102.400  | 102.500  | 85.015%   | 97.780    | 97.790    | 97.680    | 96.510    |
| X    |          | 84.782% | 99.889%  | 100.474% | 83.424%   | 97.665%   | 98.208%   | 96.927%   | 96.837%   |
| σ    |          | 2.044%  | n/a      | n/a      | 1.948%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 2.411   | 2.259    | 1.724    | 2.335     | 1.078     | 0.496     | 0.679     | 0.890     |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:30:07 | 83.430% | 98.710   | 98.890   | 99.040    | 98.540    | 98.080    | 87.071%   | 88.299%   |
| 2    | 22:30:49 | 85.851% | 100.100  | 99.400   | 100.800   | 99.250    | 98.170    | 89.843%   | 92.217%   |
| 3    | 22:31:31 | 88.624% | 98.770   | 100.000  | 98.300    | 96.110    | 97.870    | 92.751%   | 93.332%   |
| X    |          | 85.969% | 99.189%  | 99.443%  | 99.394%   | 97.964%   | 98.044%   | 89.889%   | 91.283%   |
| σ    |          | 2.599%  | n/a      | n/a      | n/a       | n/a       | n/a       | 2.841%    | 2.643%    |
| %RSD |          | 3.023   | 0.791    | 0.585    | 1.320     | 1.679     | 0.157     | 3.160     | 2.896     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 22:30:07 | 98.090  | 97.360   | 97.800   | 97.580    | 97.470    | 87.137%   |           |           |
| 2    | 22:30:49 | 98.020  | 97.920   | 99.510   | 97.390    | 98.490    | 90.501%   |           |           |
| 3    | 22:31:31 | 99.320  | 98.760   | 98.870   | 99.380    | 99.070    | 91.855%   |           |           |
| X    |          | 98.477% | 98.014%  | 98.728%  | 98.116%   | 98.343%   | 89.831%   |           |           |
| σ    |          | n/a     | n/a      | n/a      | n/a       | n/a       | 2.429%    |           |           |
| %RSD |          | 0.742   | 0.720    | 0.878    | 1.124     | 0.823     | 2.704     |           |           |

CCB7 12/29/2012 10:36:33 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B    | 11B      | 13C     | 23Na     | 25Mg    | 26Mg    |
|------|----------|---------|---------|--------|----------|---------|----------|---------|---------|
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb      | ppb     | ppb     |
| 1    | 22:37:15 | 85.953% | -0.031  | 2.300  | 2.996    | 0.000   | -22.080  | 20.160  | 20.320  |
| 2    | 22:37:57 | 85.306% | -0.031  | 1.936  | 2.970    | 0.000   | 34.410   | 53.090  | 47.450  |
| 3    | 22:38:38 | 86.766% | 0.040   | 4.687  | 3.392    | 0.000   | 7.979    | 43.450  | 40.490  |
| X    |          | 86.009% | -0.007  | 2.974  | 3.119    | 0.000   | 6.770    | 38.900  | 36.090  |
| σ    |          | 0.732%  | 0.041   | 1.495  | 0.236    | 0.000   | 28.260   | 16.930  | 14.090  |
| %RSD |          | 0.851   | 557.900 | 50.250 | 7.577    | 0.000   | 417.500  | 43.530  | 39.040  |
| Run  | Time     | 27Al    | 28Si    | 37Cl   | 39K      | 43Ca    | 44Ca     | 45Sc    | 47Ti    |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb      | ppb     | ppb     |
| 1    | 22:37:15 | -1.665  | 4.548   | 0.000  | 21.600   | 23.190  | 46.340   | 86.041% | 0.215   |
| 2    | 22:37:57 | 1.963   | 7.640   | 0.000  | 46.050   | 143.100 | 108.300  | 86.293% | 0.394   |
| 3    | 22:38:38 | 0.726   | 5.406   | 0.000  | 31.390   | 81.300  | 88.630   | 85.368% | 0.217   |
| X    |          | 0.341   | 5.865   | 0.000  | 33.010   | 82.530  | 81.110   | 85.901% | 0.275   |
| σ    |          | 1.844   | 1.596   | 0.000  | 12.310   | 59.970  | 31.680   | 0.478%  | 0.103   |
| %RSD |          | 540.500 | 27.220  | 0.000  | 37.270   | 72.670  | 39.060   | 0.557   | 37.440  |
| Run  | Time     | 51V     | 52Cr    | 55Mn   | 56Fe     | 57Fe    | 59Co     | 60Ni    | 63Cu    |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb      | ppb     | ppb     |
| 1    | 22:37:15 | 0.088   | 0.016   | 0.342  | 30.540   | 38.240  | 0.032    | 0.129   | 0.152   |
| 2    | 22:37:57 | 0.145   | 0.073   | 0.825  | 39.750   | 52.440  | 0.093    | 0.187   | 0.208   |
| 3    | 22:38:38 | 0.088   | 0.088   | 0.709  | 34.270   | 42.390  | 0.102    | 0.089   | 0.214   |
| X    |          | 0.107   | 0.059   | 0.625  | 34.850   | 44.360  | 0.075    | 0.135   | 0.191   |
| σ    |          | 0.033   | 0.038   | 0.252  | 4.630    | 7.300   | 0.038    | 0.049   | 0.034   |
| %RSD |          | 30.810  | 64.660  | 40.350 | 13.290   | 16.460  | 50.030   | 36.370  | 17.630  |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn   | 75As     | 78Se    | 82Se     | 83Kr    | 88Sr    |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb      | ppb     | ppb     |
| 1    | 22:37:15 | 0.237   | 0.390   | 0.410  | 0.138    | 0.705   | 0.950    | 0.000   | 0.514   |
| 2    | 22:37:57 | 0.133   | 0.541   | 0.809  | -0.020   | -0.929  | 0.004    | 0.000   | 1.131   |
| 3    | 22:38:38 | 0.300   | 0.777   | 0.423  | -0.128   | -1.473  | -1.265   | 0.000   | 0.833   |
| X    |          | 0.223   | 0.569   | 0.547  | -0.004   | -0.566  | -0.104   | 0.000   | 0.826   |
| σ    |          | 0.084   | 0.195   | 0.227  | 0.133    | 1.134   | 1.111    | 0.000   | 0.309   |
| %RSD |          | 37.620  | 34.210  | 41.420 | 3793.000 | 200.500 | 1073.000 | 0.000   | 37.380  |
| Run  | Time     | 89Y     | 95Mo    | 98Mo   | 103Rh    | 107Ag   | 109Ag    | 111Cd   | 114Cd   |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb      | ppb     | ppb     |
| 1    | 22:37:15 | 85.064% | 0.210   | 0.366  | 86.085%  | 0.016   | 0.046    | 0.092   | -0.004  |
| 2    | 22:37:57 | 85.895% | 0.391   | 0.420  | 87.026%  | 0.051   | 0.065    | 0.216   | 0.108   |
| 3    | 22:38:38 | 85.104% | 0.419   | 0.315  | 87.108%  | 0.042   | 0.045    | 0.102   | 0.021   |
| X    |          | 85.355% | 0.340   | 0.367  | 86.740%  | 0.036   | 0.052    | 0.137   | 0.042   |
| σ    |          | 0.469%  | 0.114   | 0.052  | 0.568%   | 0.018   | 0.011    | 0.069   | 0.059   |
| %RSD |          | 0.549   | 33.450  | 14.230 | 0.655    | 50.210  | 20.920   | 50.120  | 142.200 |
| Run  | Time     | 115In   | 118Sn   | 121Sb  | 123Sb    | 135Ba   | 137Ba    | 159Tb   | 165Ho   |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb      | ppb     | ppb     |
| 1    | 22:37:15 | 85.320% | 1.319   | 0.216  | 0.274    | 0.295   | 0.147    | 86.170% | 87.538% |
| 2    | 22:37:57 | 86.511% | 1.426   | 0.266  | 0.226    | 0.569   | 0.668    | 87.498% | 88.182% |
| 3    | 22:38:38 | 87.062% | 1.290   | 0.201  | 0.211    | 0.562   | 0.439    | 88.602% | 88.548% |
| X    |          | 86.298% | 1.345   | 0.228  | 0.237    | 0.475   | 0.418    | 87.423% | 88.089% |
| σ    |          | 0.891%  | 0.072   | 0.034  | 0.033    | 0.156   | 0.261    | 1.218%  | 0.511%  |
| %RSD |          | 1.032   | 5.339   | 15.030 | 13.890   | 32.840  | 62.430   | 1.393   | 0.580   |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb  | 207Pb    | 208Pb   | 209Bi    |         |         |
|      |          | ppb     | ppb     | ppb    | ppb      | ppb     | ppb      |         |         |
| 1    | 22:37:15 | 0.048   | 0.056   | 0.052  | 0.087    | 0.063   | 89.583%  |         |         |
| 2    | 22:37:57 | 0.075   | 0.102   | 0.065  | 0.090    | 0.085   | 90.393%  |         |         |
| 3    | 22:38:38 | 0.064   | 0.059   | 0.061  | 0.078    | 0.068   | 90.474%  |         |         |
| X    |          | 0.062   | 0.072   | 0.059  | 0.085    | 0.072   | 90.150%  |         |         |
| σ    |          | 0.014   | 0.026   | 0.007  | 0.006    | 0.012   | 0.493%   |         |         |
| %RSD |          | 21.810  | 35.460  | 11.160 | 7.120    | 16.070  | 0.547    |         |         |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:41:33 | 78.977% | 0.008    | 108.500 | 110.600   | 0.000     | 68940.000 | 10590.000 | 10570.000 |
| 2    | 22:42:15 | 80.452% | 0.007    | 113.000 | 108.400   | 0.000     | 67960.000 | 10500.000 | 10520.000 |
| 3    | 22:42:56 | 81.386% | -0.031   | 107.600 | 110.700   | 0.000     | 67420.000 | 10430.000 | 10510.000 |
| X    |          | 80.271% | -0.005   | 109.700 | 109.900   | 0.000     | 68110.000 | 10500.000 | 10530.000 |
| σ    |          | 1.215%  | 0.022    | 2.914   | 1.283     | 0.000     | 774.300   | 79.500    | 35.100    |
| %RSD |          | 1.513   | 423.500  | 2.656   | 1.167     | 0.000     | 1.137     | 0.757     | 0.333     |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:41:33 | 258.800 | 9569.000 | 0.000   | 10950.000 | 74130.000 | 74550.000 | 78.608%   | 13.190    |
| 2    | 22:42:15 | 258.800 | 9579.000 | 0.000   | 10820.000 | 74650.000 | 74590.000 | 79.362%   | 14.690    |
| 3    | 22:42:56 | 264.100 | 9484.000 | 0.000   | 10750.000 | 70360.000 | 74490.000 | 79.840%   | 12.190    |
| X    |          | 260.600 | 9544.000 | 0.000   | 10840.000 | 73050.000 | 74540.000 | 79.270%   | 13.360    |
| σ    |          | 3.064   | 51.870   | 0.000   | 101.500   | 2342.000  | 51.080    | 0.621%    | 1.258     |
| %RSD |          | 1.176   | 0.543    | 0.000   | 0.936     | 3.206     | 0.069     | 0.783     | 9.414     |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:41:33 | 3.651   | 2.128    | 155.500 | 820.900   | 1098.000  | 0.587     | 1.543     | 10.000    |
| 2    | 22:42:15 | 3.720   | 1.903    | 156.300 | 822.900   | 1113.000  | 0.472     | 1.187     | 9.947     |
| 3    | 22:42:56 | 3.717   | 2.069    | 156.900 | 818.000   | 1090.000  | 0.561     | 1.532     | 10.310    |
| X    |          | 3.696   | 2.033    | 156.200 | 820.600   | 1100.000  | 0.540     | 1.421     | 10.090    |
| σ    |          | 0.039   | 0.116    | 0.713   | 2.497     | 11.440    | 0.060     | 0.202     | 0.195     |
| %RSD |          | 1.065   | 5.721    | 0.456   | 0.304     | 1.040     | 11.140    | 14.240    | 1.934     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:41:33 | 9.823   | 39.080   | 38.400  | 2.740     | -0.517    | 0.910     | 0.000     | 466.500   |
| 2    | 22:42:15 | 9.770   | 40.490   | 40.160  | 3.139     | -0.577    | 1.909     | 0.000     | 469.200   |
| 3    | 22:42:56 | 10.490  | 39.930   | 39.570  | 3.084     | -1.101    | -0.547    | 0.000     | 469.300   |
| X    |          | 10.030  | 39.830   | 39.380  | 2.987     | -0.732    | 0.757     | 0.000     | 468.300   |
| σ    |          | 0.401   | 0.714    | 0.894   | 0.216     | 0.322     | 1.236     | 0.000     | 1.591     |
| %RSD |          | 3.995   | 1.791    | 2.271   | 7.239     | 43.960    | 163.100   | 0.000     | 0.340     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:41:33 | 78.975% | 2.803    | 2.719   | 76.962%   | 0.008     | -0.002    | 0.199     | 0.052     |
| 2    | 22:42:15 | 80.503% | 2.999    | 2.652   | 78.498%   | -0.002    | -0.002    | 0.028     | 0.035     |
| 3    | 22:42:56 | 81.624% | 2.934    | 2.688   | 79.166%   | 0.003     | -0.002    | 0.003     | -0.044    |
| X    |          | 80.367% | 2.912    | 2.686   | 78.209%   | 0.003     | -0.002    | 0.077     | 0.015     |
| σ    |          | 1.330%  | 0.100    | 0.033   | 1.130%    | 0.005     | 0.000     | 0.107     | 0.051     |
| %RSD |          | 1.654   | 3.433    | 1.243   | 1.445     | 152.800   | 5.609     | 139.100   | 351.000   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:41:33 | 79.465% | 1.891    | 1.079   | 1.131     | 56.920    | 59.170    | 84.357%   | 85.087%   |
| 2    | 22:42:15 | 81.522% | 2.088    | 1.102   | 1.068     | 58.640    | 60.500    | 86.739%   | 87.332%   |
| 3    | 22:42:56 | 83.291% | 1.790    | 1.128   | 1.004     | 58.000    | 58.520    | 86.351%   | 88.885%   |
| X    |          | 81.426% | 1.923    | 1.103   | 1.067     | 57.850    | 59.400    | 85.816%   | 87.101%   |
| σ    |          | 1.915%  | 0.152    | 0.024   | 0.064     | 0.870     | 1.007     | 1.278%    | 1.909%    |
| %RSD |          | 2.352   | 7.884    | 2.219   | 5.952     | 1.504     | 1.696     | 1.489     | 2.192     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 22:41:33 | 0.010   | 0.017    | 2.132   | 2.040     | 2.114     | 87.042%   |           |           |
| 2    | 22:42:15 | 0.010   | 0.012    | 2.199   | 2.231     | 2.183     | 87.755%   |           |           |
| 3    | 22:42:56 | 0.012   | 0.017    | 2.187   | 2.290     | 2.164     | 88.295%   |           |           |
| X    |          | 0.011   | 0.015    | 2.173   | 2.187     | 2.154     | 87.698%   |           |           |
| σ    |          | 0.001   | 0.003    | 0.036   | 0.131     | 0.035     | 0.628%    |           |           |
| %RSD |          | 13.380  | 17.640   | 1.639   | 5.973     | 1.647     | 0.717     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:45:49 | 84.522% | -0.031   | 82.970  | 90.000    | 0.000     | 53710.000 | 22140.000 | 22270.000 |
| 2    | 22:46:31 | 85.132% | -0.031   | 89.990  | 90.570    | 0.000     | 53900.000 | 22480.000 | 22510.000 |
| 3    | 22:47:12 | 85.908% | -0.031   | 85.750  | 87.200    | 0.000     | 53620.000 | 22550.000 | 22550.000 |
| X    |          | 85.187% | -0.031   | 86.240  | 89.260    | 0.000     | 53740.000 | 22390.000 | 22440.000 |
| σ    |          | 0.695%  | 0.000    | 3.539   | 1.804     | 0.000     | 139.500   | 218.400   | 155.300   |
| %RSD |          | 0.816   | 0.000    | 4.104   | 2.021     | 0.000     | 0.260     | 0.976     | 0.692     |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:45:49 | 2.395   | 6257.000 | 0.000   | 3290.000  | 75340.000 | 74530.000 | 85.188%   | 3.206     |
| 2    | 22:46:31 | 2.473   | 6301.000 | 0.000   | 3316.000  | 75530.000 | 75030.000 | 86.885%   | 2.482     |
| 3    | 22:47:12 | 2.077   | 6340.000 | 0.000   | 3342.000  | 75620.000 | 75170.000 | 87.373%   | 2.705     |
| X    |          | 2.315   | 6299.000 | 0.000   | 3316.000  | 75500.000 | 74910.000 | 86.482%   | 2.798     |
| σ    |          | 0.210   | 41.610   | 0.000   | 26.400    | 146.600   | 338.200   | 1.147%    | 0.371     |
| %RSD |          | 9.071   | 0.661    | 0.000   | 0.796     | 0.194     | 0.451     | 1.326     | 13.250    |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:45:49 | 0.981   | 0.230    | 762.700 | 89660.000 | 89240.000 | 0.241     | 1.322     | 0.630     |
| 2    | 22:46:31 | 0.828   | 0.228    | 765.100 | 88320.000 | 89950.000 | 0.196     | 1.175     | 0.622     |
| 3    | 22:47:12 | 0.918   | 0.202    | 768.500 | 88530.000 | 90650.000 | 0.229     | 1.162     | 0.721     |
| X    |          | 0.909   | 0.220    | 765.400 | 88840.000 | 89950.000 | 0.222     | 1.220     | 0.658     |
| σ    |          | 0.077   | 0.016    | 2.946   | 721.100   | 704.400   | 0.023     | 0.089     | 0.055     |
| %RSD |          | 8.472   | 7.200    | 0.385   | 0.812     | 0.783     | 10.310    | 7.305     | 8.348     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:45:49 | 0.730   | 7.843    | 8.034   | 13.250    | -0.647    | -0.517    | 0.000     | 394.200   |
| 2    | 22:46:31 | 0.525   | 8.235    | 9.323   | 12.860    | -1.316    | 0.437     | 0.000     | 393.500   |
| 3    | 22:47:12 | 0.500   | 8.420    | 8.486   | 13.830    | 1.561     | 0.504     | 0.000     | 398.800   |
| X    |          | 0.585   | 8.166    | 8.614   | 13.310    | -0.134    | 0.141     | 0.000     | 395.500   |
| σ    |          | 0.126   | 0.294    | 0.654   | 0.488     | 1.505     | 0.571     | 0.000     | 2.903     |
| %RSD |          | 21.620  | 3.606    | 7.593   | 3.662     | 1124.000  | 403.800   | 0.000     | 0.734     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:45:49 | 84.480% | 0.131    | 0.251   | 82.671%   | 0.007     | 0.018     | 0.072     | 0.017     |
| 2    | 22:46:31 | 87.546% | 0.003    | 0.154   | 86.159%   | 0.002     | -0.007    | 0.005     | 0.037     |
| 3    | 22:47:12 | 88.199% | -0.024   | 0.053   | 86.884%   | -0.002    | 0.002     | -0.049    | -0.107    |
| X    |          | 86.742% | 0.037    | 0.153   | 85.238%   | 0.003     | 0.004     | 0.009     | -0.017    |
| σ    |          | 1.986%  | 0.083    | 0.099   | 2.252%    | 0.005     | 0.013     | 0.061     | 0.078     |
| %RSD |          | 2.289   | 224.500  | 64.920  | 2.642     | 183.900   | 281.100   | 666.000   | 447.300   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 22:45:49 | 84.905% | 2.809    | 0.355   | 0.357     | 123.600   | 123.200   | 88.608%   | 90.103%   |
| 2    | 22:46:31 | 87.209% | 3.204    | 0.413   | 0.278     | 122.500   | 125.400   | 91.367%   | 92.888%   |
| 3    | 22:47:12 | 89.025% | 3.203    | 0.370   | 0.332     | 123.000   | 123.800   | 93.749%   | 93.855%   |
| X    |          | 87.046% | 3.072    | 0.379   | 0.322     | 123.000   | 124.100   | 91.241%   | 92.282%   |
| σ    |          | 2.065%  | 0.228    | 0.030   | 0.040     | 0.533     | 1.145     | 2.573%    | 1.948%    |
| %RSD |          | 2.372   | 7.417    | 7.858   | 12.520    | 0.434     | 0.922     | 2.820     | 2.111     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 22:45:49 | 0.009   | -0.003   | 0.420   | 0.439     | 0.433     | 90.291%   |           |           |
| 2    | 22:46:31 | 0.005   | 0.009    | 0.378   | 0.430     | 0.427     | 92.782%   |           |           |
| 3    | 22:47:12 | -0.003  | 0.006    | 0.442   | 0.387     | 0.427     | 93.109%   |           |           |
| X    |          | 0.004   | 0.004    | 0.413   | 0.419     | 0.429     | 92.061%   |           |           |
| σ    |          | 0.006   | 0.007    | 0.032   | 0.027     | 0.003     | 1.542%    |           |           |
| %RSD |          | 167.400 | 159.300  | 7.849   | 6.568     | 0.762     | 1.675     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B     | 13C     | 23Na    | 25Mg     | 26Mg    |
|------|----------|----------|----------|---------|---------|---------|---------|----------|---------|
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb      | ppb     |
| 1    | 22:50:05 | 90.229%  | -0.031   | 1.895   | 3.114   | 0.000   | -55.490 | -0.114   | 0.727   |
| 2    | 22:50:47 | 91.357%  | -0.031   | 3.301   | 2.263   | 0.000   | -56.250 | -0.429   | -0.095  |
| 3    | 22:51:28 | 92.725%  | -0.031   | 3.715   | 2.452   | 0.000   | -49.410 | 0.517    | 0.894   |
| X    |          | 91.437%  | -0.031   | 2.970   | 2.610   | 0.000   | -53.710 | -0.009   | 0.509   |
| σ    |          | 1.250%   | 0.000    | 0.954   | 0.447   | 0.000   | 3.751   | 0.482    | 0.529   |
| %RSD |          | 1.367    | 0.000    | 32.120  | 17.130  | 0.000   | 6.983   | 5534.000 | 104.000 |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K     | 43Ca    | 44Ca    | 45Sc     | 47Ti    |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb      | ppb     |
| 1    | 22:50:05 | -4.480   | 17.980   | 0.000   | -0.427  | 6.875   | 10.660  | 91.567%  | 0.083   |
| 2    | 22:50:47 | -4.377   | 16.540   | 0.000   | -1.180  | 16.460  | 11.270  | 92.724%  | -0.031  |
| 3    | 22:51:28 | -4.508   | 15.080   | 0.000   | 2.286   | 30.830  | 12.590  | 93.243%  | 0.080   |
| X    |          | -4.455   | 16.530   | 0.000   | 0.226   | 18.060  | 11.500  | 92.511%  | 0.044   |
| σ    |          | 0.069    | 1.452    | 0.000   | 1.823   | 12.060  | 0.987   | 0.858%   | 0.065   |
| %RSD |          | 1.554    | 8.785    | 0.000   | 806.000 | 66.770  | 8.580   | 0.927    | 148.700 |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe    | 57Fe    | 59Co    | 60Ni     | 63Cu    |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb      | ppb     |
| 1    | 22:50:05 | -0.062   | -0.149   | 0.036   | 108.500 | 130.300 | -0.018  | 0.043    | 0.272   |
| 2    | 22:50:47 | -0.068   | -0.199   | 0.016   | 42.400  | 58.430  | -0.026  | 0.078    | 0.253   |
| 3    | 22:51:28 | -0.051   | -0.096   | 0.059   | 26.290  | 30.870  | -0.005  | 0.096    | 0.222   |
| X    |          | -0.060   | -0.148   | 0.037   | 59.060  | 73.210  | -0.016  | 0.072    | 0.249   |
| σ    |          | 0.008    | 0.052    | 0.022   | 43.560  | 51.350  | 0.011   | 0.027    | 0.025   |
| %RSD |          | 13.670   | 34.860   | 59.340  | 73.750  | 70.140  | 65.260  | 37.390   | 10.140  |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As    | 78Se    | 82Se    | 83Kr     | 88Sr    |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb      | ppb     |
| 1    | 22:50:05 | 0.485    | 3.371    | 3.926   | -0.313  | -1.126  | -1.365  | 0.000    | 0.017   |
| 2    | 22:50:47 | 0.455    | 3.702    | 4.150   | -0.181  | -0.864  | -0.663  | 0.000    | 0.020   |
| 3    | 22:51:28 | 0.320    | 4.164    | 3.648   | -0.209  | -1.098  | -0.257  | 0.000    | 0.044   |
| X    |          | 0.420    | 3.746    | 3.908   | -0.234  | -1.029  | -0.762  | 0.000    | 0.027   |
| σ    |          | 0.088    | 0.399    | 0.252   | 0.070   | 0.144   | 0.561   | 0.000    | 0.015   |
| %RSD |          | 20.870   | 10.640   | 6.434   | 29.700  | 13.960  | 73.610  | 0.000    | 56.330  |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh   | 107Ag   | 109Ag   | 111Cd    | 114Cd   |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb      | ppb     |
| 1    | 22:50:05 | 91.690%  | -0.225   | -0.103  | 93.565% | -0.002  | -0.002  | -0.028   | -0.101  |
| 2    | 22:50:47 | 93.520%  | -0.204   | -0.127  | 94.856% | 0.002   | 0.011   | -0.009   | -0.070  |
| 3    | 22:51:28 | 94.315%  | -0.182   | -0.121  | 95.552% | 0.014   | 0.002   | 0.028    | -0.028  |
| X    |          | 93.175%  | -0.204   | -0.117  | 94.658% | 0.004   | 0.003   | -0.003   | -0.066  |
| σ    |          | 1.346%   | 0.021    | 0.013   | 1.008%  | 0.008   | 0.007   | 0.028    | 0.037   |
| %RSD |          | 1.444    | 10.560   | 10.770  | 1.065   | 192.400 | 203.600 | 1049.000 | 55.190  |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb   | 135Ba   | 137Ba   | 159Tb    | 165Ho   |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     | ppb      | ppb     |
| 1    | 22:50:05 | 92.144%  | 0.802    | 0.143   | 0.115   | -0.070  | -0.009  | 93.505%  | 93.876% |
| 2    | 22:50:47 | 93.981%  | 0.265    | 0.140   | 0.095   | -0.047  | 0.018   | 94.457%  | 95.132% |
| 3    | 22:51:28 | 95.757%  | 0.438    | 0.128   | 0.099   | -0.025  | 0.044   | 95.551%  | 95.890% |
| X    |          | 93.961%  | 0.502    | 0.137   | 0.103   | -0.047  | 0.017   | 94.504%  | 94.966% |
| σ    |          | 1.807%   | 0.274    | 0.008   | 0.011   | 0.022   | 0.026   | 1.024%   | 1.017%  |
| %RSD |          | 1.923    | 54.630   | 5.687   | 10.410  | 47.450  | 152.200 | 1.083    | 1.071   |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb   | 208Pb   | 209Bi   |          |         |
|      |          | ppb      | ppb      | ppb     | ppb     | ppb     | ppb     |          |         |
| 1    | 22:50:05 | 0.007    | 0.000    | 0.006   | 0.011   | 0.015   | 95.195% |          |         |
| 2    | 22:50:47 | -0.001   | -0.006   | -0.007  | 0.004   | 0.005   | 96.376% |          |         |
| 3    | 22:51:28 | -0.006   | 0.007    | 0.011   | 0.007   | 0.010   | 97.104% |          |         |
| X    |          | -0.000   | 0.000    | 0.003   | 0.007   | 0.010   | 96.225% |          |         |
| σ    |          | 0.007    | 0.007    | 0.010   | 0.004   | 0.005   | 0.963%  |          |         |
| %RSD |          | 9076.000 | 1722.000 | 298.500 | 53.030  | 48.860  | 1.001   |          |         |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B    | 11B     | 13C     | 23Na    | 25Mg    | 26Mg    |
|------|----------|---------|---------|--------|---------|---------|---------|---------|---------|
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 22:54:22 | 92.140% | -0.031  | 1.600  | 2.242   | 0.000   | 78.480  | 9.583   | 9.609   |
| 2    | 22:55:04 | 91.851% | -0.031  | 1.607  | 1.921   | 0.000   | 79.320  | 10.220  | 8.653   |
| 3    | 22:55:46 | 92.356% | -0.031  | 2.786  | 2.072   | 0.000   | 80.430  | 7.688   | 9.455   |
| X    |          | 92.116% | -0.031  | 1.998  | 2.078   | 0.000   | 79.410  | 9.164   | 9.239   |
| σ    |          | 0.254%  | 0.000   | 0.683  | 0.161   | 0.000   | 0.980   | 1.318   | 0.513   |
| %RSD |          | 0.275   | 0.000   | 34.180 | 7.723   | 0.000   | 1.234   | 14.380  | 5.554   |
| Run  | Time     | 27Al    | 28Si    | 37Cl   | 39K     | 43Ca    | 44Ca    | 45Sc    | 47Ti    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 22:54:22 | -0.787  | 17.440  | 0.000  | 32.970  | 241.200 | 213.900 | 92.147% | 0.307   |
| 2    | 22:55:04 | -0.160  | 19.340  | 0.000  | 32.880  | 148.200 | 205.600 | 92.325% | 0.532   |
| 3    | 22:55:46 | -0.729  | 18.150  | 0.000  | 33.980  | 236.600 | 213.100 | 91.993% | 0.139   |
| X    |          | -0.559  | 18.310  | 0.000  | 33.280  | 208.700 | 210.800 | 92.155% | 0.326   |
| σ    |          | 0.346   | 0.959   | 0.000  | 0.612   | 52.450  | 4.588   | 0.166%  | 0.197   |
| %RSD |          | 62.010  | 5.238   | 0.000  | 1.839   | 25.140  | 2.176   | 0.180   | 60.520  |
| Run  | Time     | 51V     | 52Cr    | 55Mn   | 56Fe    | 57Fe    | 59Co    | 60Ni    | 63Cu    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 22:54:22 | 0.037   | 0.215   | 0.429  | 30.970  | 38.310  | -0.004  | 0.640   | 0.727   |
| 2    | 22:55:04 | -0.024  | 0.174   | 0.402  | 25.630  | 34.780  | 0.003   | 0.716   | 1.164   |
| 3    | 22:55:46 | -0.088  | 0.169   | 0.425  | 23.350  | 30.180  | -0.008  | 0.905   | 0.675   |
| X    |          | -0.025  | 0.186   | 0.419  | 26.650  | 34.420  | -0.003  | 0.754   | 0.856   |
| σ    |          | 0.063   | 0.025   | 0.014  | 3.908   | 4.077   | 0.005   | 0.136   | 0.269   |
| %RSD |          | 249.300 | 13.630  | 3.451  | 14.670  | 11.850  | 179.700 | 18.090  | 31.410  |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn   | 75As    | 78Se    | 82Se    | 83Kr    | 88Sr    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 22:54:22 | 0.881   | 6.764   | 5.910  | -0.184  | -0.902  | -0.796  | 0.000   | 0.325   |
| 2    | 22:55:04 | 0.843   | 6.493   | 6.003  | 0.048   | -1.542  | 0.267   | 0.000   | 0.297   |
| 3    | 22:55:46 | 1.072   | 6.887   | 6.479  | -0.205  | 1.044   | -0.447  | 0.000   | 0.386   |
| X    |          | 0.932   | 6.715   | 6.131  | -0.114  | -0.467  | -0.325  | 0.000   | 0.336   |
| σ    |          | 0.123   | 0.201   | 0.305  | 0.140   | 1.347   | 0.542   | 0.000   | 0.045   |
| %RSD |          | 13.200  | 2.998   | 4.972  | 123.500 | 288.600 | 166.700 | 0.000   | 13.520  |
| Run  | Time     | 89Y     | 95Mo    | 98Mo   | 103Rh   | 107Ag   | 109Ag   | 111Cd   | 114Cd   |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 22:54:22 | 91.113% | -0.083  | -0.093 | 91.873% | -0.002  | -0.002  | 0.159   | 0.060   |
| 2    | 22:55:04 | 90.875% | 0.104   | -0.043 | 92.462% | -0.006  | 0.007   | 0.013   | -0.002  |
| 3    | 22:55:46 | 90.810% | -0.130  | -0.129 | 92.627% | 0.002   | -0.007  | 0.150   | 0.082   |
| X    |          | 90.933% | -0.036  | -0.088 | 92.321% | -0.002  | -0.001  | 0.107   | 0.047   |
| σ    |          | 0.159%  | 0.124   | 0.043  | 0.397%  | 0.004   | 0.007   | 0.082   | 0.044   |
| %RSD |          | 0.175   | 341.900 | 48.850 | 0.430   | 181.900 | 740.000 | 76.110  | 93.550  |
| Run  | Time     | 115In   | 118Sn   | 121Sb  | 123Sb   | 135Ba   | 137Ba   | 159Tb   | 165Ho   |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 22:54:22 | 91.080% | 1.328   | 0.113  | 0.111   | 0.174   | 0.249   | 91.115% | 92.000% |
| 2    | 22:55:04 | 91.505% | 1.555   | 0.130  | 0.105   | 0.172   | 0.119   | 91.918% | 92.856% |
| 3    | 22:55:46 | 91.509% | 1.290   | 0.139  | 0.086   | 0.026   | 0.104   | 93.615% | 92.779% |
| X    |          | 91.365% | 1.391   | 0.127  | 0.101   | 0.124   | 0.157   | 92.216% | 92.545% |
| σ    |          | 0.247%  | 0.143   | 0.014  | 0.013   | 0.085   | 0.080   | 1.276%  | 0.473%  |
| %RSD |          | 0.270   | 10.310  | 10.680 | 12.870  | 68.360  | 50.800  | 1.384   | 0.512   |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb  | 207Pb   | 208Pb   | 209Bi   |         |         |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     |         |         |
| 1    | 22:54:22 | 0.002   | 0.001   | 0.042  | 0.093   | 0.085   | 93.914% |         |         |
| 2    | 22:55:04 | -0.003  | 0.000   | 0.077  | 0.070   | 0.094   | 94.501% |         |         |
| 3    | 22:55:46 | -0.014  | -0.003  | 0.081  | 0.056   | 0.079   | 93.623% |         |         |
| X    |          | -0.005  | -0.001  | 0.067  | 0.073   | 0.086   | 94.013% |         |         |
| σ    |          | 0.008   | 0.002   | 0.022  | 0.019   | 0.008   | 0.447%  |         |         |
| %RSD |          | 164.700 | 316.800 | 32.340 | 25.350  | 8.926   | 0.475   |         |         |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B     | 11B        | 13C      | 23Na    | 25Mg    | 26Mg    |
|------|----------|---------|---------|---------|------------|----------|---------|---------|---------|
|      |          | ppb     | ppb     | ppb     | ppb        | ppb      | ppb     | ppb     | ppb     |
| 1    | 23:02:13 | 88.555% | -0.031  | 0.733   | 0.959      | 0.000    | -59.920 | -2.576  | -1.941  |
| 2    | 23:02:54 | 89.436% | -0.031  | 0.846   | 0.652      | 0.000    | -56.620 | -2.189  | -1.839  |
| 3    | 23:03:36 | 89.057% | -0.031  | 1.733   | 1.501      | 0.000    | -52.330 | -0.316  | 0.579   |
| X    |          | 89.016% | -0.031  | 1.104   | 1.037      | 0.000    | -56.290 | -1.694  | -1.067  |
| σ    |          | 0.442%  | 0.000   | 0.548   | 0.430      | 0.000    | 3.805   | 1.209   | 1.426   |
| %RSD |          | 0.496   | 0.000   | 49.620  | 41.420     | 0.000    | 6.759   | 71.390  | 133.600 |
| Run  | Time     | 27Al    | 28Si    | 37Cl    | 39K        | 43Ca     | 44Ca    | 45Sc    | 47Ti    |
|      |          | ppb     | ppb     | ppb     | ppb        | ppb      | ppb     | ppb     | ppb     |
| 1    | 23:02:13 | -4.967  | 5.901   | 0.000   | 24.430     | -2.960   | -3.463  | 79.495% | -0.022  |
| 2    | 23:02:54 | -5.030  | 2.611   | 0.000   | 24.630     | -2.960   | -1.969  | 78.249% | -0.021  |
| 3    | 23:03:36 | -4.524  | 4.617   | 0.000   | 24.740     | 8.600    | 3.723   | 77.314% | -0.087  |
| X    |          | -4.840  | 4.376   | 0.000   | 24.600     | 0.893    | -0.570  | 78.353% | -0.043  |
| σ    |          | 0.276   | 1.658   | 0.000   | 0.157      | 6.674    | 3.792   | 1.094%  | 0.038   |
| %RSD |          | 5.698   | 37.890  | 0.000   | 0.638      | 747.200  | 665.800 | 1.396   | 87.480  |
| Run  | Time     | 51V     | 52Cr    | 55Mn    | 56Fe       | 57Fe     | 59Co    | 60Ni    | 63Cu    |
|      |          | ppb     | ppb     | ppb     | ppb        | ppb      | ppb     | ppb     | ppb     |
| 1    | 23:02:13 | -0.278  | 0.038   | -0.052  | 3.473      | 6.571    | -0.008  | 0.121   | 0.285   |
| 2    | 23:02:54 | -0.098  | 0.039   | -0.051  | 2.331      | 6.074    | -0.020  | 0.080   | 0.222   |
| 3    | 23:03:36 | -0.880  | 0.006   | 0.018   | 4.249      | 8.779    | -0.007  | 0.082   | 0.110   |
| X    |          | -0.419  | 0.028   | -0.029  | 3.351      | 7.141    | -0.012  | 0.094   | 0.205   |
| σ    |          | 0.410   | 0.019   | 0.040   | 0.965      | 1.440    | 0.007   | 0.023   | 0.089   |
| %RSD |          | 97.840  | 66.600  | 140.700 | 28.800     | 20.160   | 60.190  | 24.710  | 43.230  |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn    | 75As       | 78Se     | 82Se    | 83Kr    | 88Sr    |
|      |          | ppb     | ppb     | ppb     | ppb        | ppb      | ppb     | ppb     | ppb     |
| 1    | 23:02:13 | 0.382   | 0.091   | -0.012  | 0.381      | -0.457   | -0.458  | 0.000   | -0.048  |
| 2    | 23:02:54 | 0.129   | 0.052   | 0.135   | -0.029     | -1.637   | -0.309  | 0.000   | -0.045  |
| 3    | 23:03:36 | 0.444   | -0.091  | -0.071  | -0.605     | -0.489   | 0.277   | 0.000   | 0.044   |
| X    |          | 0.318   | 0.018   | 0.017   | -0.084     | -0.861   | -0.164  | 0.000   | -0.016  |
| σ    |          | 0.167   | 0.096   | 0.106   | 0.495      | 0.672    | 0.388   | 0.000   | 0.052   |
| %RSD |          | 52.350  | 546.300 | 617.600 | 587.600    | 78.090   | 237.300 | 0.000   | 323.200 |
| Run  | Time     | 89Y     | 95Mo    | 98Mo    | 103Rh      | 107Ag    | 109Ag   | 111Cd   | 114Cd   |
|      |          | ppb     | ppb     | ppb     | ppb        | ppb      | ppb     | ppb     | ppb     |
| 1    | 23:02:13 | 80.531% | -0.251  | -0.178  | 80.724%    | -0.006   | -0.007  | 0.107   | 0.012   |
| 2    | 23:02:54 | 79.183% | -0.210  | -0.177  | 80.507%    | -0.002   | 0.008   | -0.178  | -0.197  |
| 3    | 23:03:36 | 78.602% | -0.128  | -0.143  | 79.508%    | -0.002   | 0.003   | -0.090  | -0.018  |
| X    |          | 79.438% | -0.196  | -0.166  | 80.246%    | -0.003   | 0.002   | -0.054  | -0.068  |
| σ    |          | 0.990%  | 0.063   | 0.020   | 0.649%     | 0.003    | 0.008   | 0.146   | 0.113   |
| %RSD |          | 1.246   | 32.090  | 12.150  | 0.808      | 83.950   | 488.300 | 271.800 | 166.500 |
| Run  | Time     | 115In   | 118Sn   | 121Sb   | 123Sb      | 135Ba    | 137Ba   | 159Tb   | 165Ho   |
|      |          | ppb     | ppb     | ppb     | ppb        | ppb      | ppb     | ppb     | ppb     |
| 1    | 23:02:13 | 81.352% | 5.481   | 0.066   | 0.081      | -0.064   | -0.034  | 84.814% | 85.368% |
| 2    | 23:02:54 | 81.769% | 4.233   | 0.086   | 0.034      | -0.037   | -0.050  | 83.621% | 84.896% |
| 3    | 23:03:36 | 81.255% | 4.425   | 0.092   | 0.074      | 0.097    | -0.002  | 83.673% | 84.836% |
| X    |          | 81.459% | 4.713   | 0.081   | 0.063      | -0.001   | -0.029  | 84.036% | 85.033% |
| σ    |          | 0.273%  | 0.672   | 0.014   | 0.025      | 0.086    | 0.024   | 0.675%  | 0.292%  |
| %RSD |          | 0.335   | 14.260  | 17.000  | 40.330     | 7183.000 | 84.690  | 0.803   | 0.343   |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb   | 207Pb      | 208Pb    | 209Bi   |         |         |
|      |          | ppb     | ppb     | ppb     | ppb        | ppb      | ppb     |         |         |
| 1    | 23:02:13 | -0.008  | -0.008  | 0.008   | -0.017     | -0.000   | 89.708% |         |         |
| 2    | 23:02:54 | 0.007   | 0.002   | -0.009  | -0.001     | -0.001   | 87.362% |         |         |
| 3    | 23:03:36 | -0.004  | -0.001  | -0.005  | 0.019      | 0.000    | 86.619% |         |         |
| X    |          | -0.002  | -0.002  | -0.002  | -0.000     | -0.000   | 87.896% |         |         |
| σ    |          | 0.008   | 0.005   | 0.009   | 0.018      | 0.001    | 1.613%  |         |         |
| %RSD |          | 436.000 | 211.600 | 410.500 | 120000.000 | 240.800  | 1.835   |         |         |



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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:06:31 | 93.104%  | 51.460   | 1009.000 | 958.100   | 0.000     | 44830.000 | 38610.000 | 39060.000 |
| 2    | 23:07:13 | 96.731%  | 49.570   | 1012.000 | 964.000   | 0.000     | 43940.000 | 38850.000 | 39000.000 |
| 3    | 23:07:54 | 97.636%  | 51.400   | 1007.000 | 963.000   | 0.000     | 43850.000 | 38900.000 | 39070.000 |
| X    |          | 95.824%  | 50.810   | 1010.000 | 961.700   | 0.000     | 44210.000 | 38790.000 | 39040.000 |
| σ    |          | 2.398%   | 1.074    | 2.564    | 3.172     | 0.000     | 545.300   | 154.700   | 36.800    |
| %RSD |          | 2.503    | 2.114    | 0.254    | 0.330     | 0.000     | 1.234     | 0.399     | 0.094     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:06:31 | 1742.000 | 8821.000 | 0.000    | 47030.000 | 46630.000 | 46270.000 | 71.885%   | 951.200   |
| 2    | 23:07:13 | 1735.000 | 8791.000 | 0.000    | 46310.000 | 47190.000 | 46430.000 | 73.604%   | 944.400   |
| 3    | 23:07:54 | 1738.000 | 8792.000 | 0.000    | 46000.000 | 46870.000 | 46430.000 | 74.444%   | 940.300   |
| X    |          | 1738.000 | 8801.000 | 0.000    | 46440.000 | 46900.000 | 46380.000 | 73.311%   | 945.300   |
| σ    |          | 3.199    | 17.050   | 0.000    | 528.700   | 282.300   | 88.550    | 1.305%    | 5.490     |
| %RSD |          | 0.184    | 0.194    | 0.000    | 1.138     | 0.602     | 0.191     | 1.780     | 0.581     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:06:31 | 477.900  | 197.800  | 477.900  | 818.200   | 1077.000  | 480.200   | 478.300   | 236.700   |
| 2    | 23:07:13 | 475.000  | 198.100  | 481.800  | 814.400   | 1063.000  | 482.900   | 472.000   | 239.500   |
| 3    | 23:07:54 | 473.400  | 197.000  | 481.800  | 816.400   | 1081.000  | 482.800   | 482.300   | 237.700   |
| X    |          | 475.400  | 197.600  | 480.500  | 816.300   | 1074.000  | 482.000   | 477.500   | 238.000   |
| σ    |          | 2.308    | 0.586    | 2.242    | 1.927     | 9.368     | 1.515     | 5.195     | 1.415     |
| %RSD |          | 0.485    | 0.297    | 0.467    | 0.236     | 0.873     | 0.314     | 1.088     | 0.595     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:06:31 | 232.700  | 481.200  | 496.100  | 35.430    | 11.630    | 7.704     | 0.000     | 945.600   |
| 2    | 23:07:13 | 238.600  | 486.900  | 489.100  | 37.550    | 8.502     | 9.950     | 0.000     | 950.500   |
| 3    | 23:07:54 | 239.800  | 493.900  | 491.600  | 35.550    | 7.351     | 7.180     | 0.000     | 958.600   |
| X    |          | 237.000  | 487.300  | 492.300  | 36.180    | 9.162     | 8.278     | 0.000     | 951.600   |
| σ    |          | 3.788    | 6.362    | 3.556    | 1.191     | 2.216     | 1.471     | 0.000     | 6.549     |
| %RSD |          | 1.598    | 1.306    | 0.723    | 3.293     | 24.180    | 17.770    | 0.000     | 0.688     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:06:31 | 72.262%  | 987.800  | 997.600  | 70.232%   | 48.970    | 48.670    | 49.200    | 41.650    |
| 2    | 23:07:13 | 74.856%  | 990.800  | 999.200  | 73.241%   | 49.280    | 47.440    | 51.070    | 40.420    |
| 3    | 23:07:54 | 75.432%  | 997.900  | 1004.000 | 74.519%   | 49.170    | 47.280    | 49.030    | 40.560    |
| X    |          | 74.183%  | 992.200  | 1000.000 | 72.664%   | 49.140    | 47.800    | 49.770    | 40.880    |
| σ    |          | 1.688%   | 5.177    | 3.186    | 2.201%    | 0.157     | 0.762     | 1.133     | 0.673     |
| %RSD |          | 2.276    | 0.522    | 0.319    | 3.029     | 0.318     | 1.594     | 2.276     | 1.646     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:06:31 | 74.037%  | 1952.000 | 484.000  | 481.600   | 1905.000  | 1892.000  | 80.512%   | 81.779%   |
| 2    | 23:07:13 | 77.125%  | 1963.000 | 487.900  | 482.600   | 1901.000  | 1903.000  | 83.837%   | 85.628%   |
| 3    | 23:07:54 | 79.687%  | 1921.000 | 482.700  | 484.600   | 1895.000  | 1876.000  | 85.797%   | 86.995%   |
| X    |          | 76.950%  | 1946.000 | 484.900  | 483.000   | 1900.000  | 1890.000  | 83.382%   | 84.801%   |
| σ    |          | 2.829%   | 21.670   | 2.669    | 1.533     | 5.230     | 13.240    | 2.672%    | 2.704%    |
| %RSD |          | 3.677    | 1.114    | 0.550    | 0.317     | 0.275     | 0.701     | 3.205     | 3.189     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 23:06:31 | 48.140   | 47.950   | 20.380   | 20.180    | 20.330    | 79.853%   |           |           |
| 2    | 23:07:13 | 48.640   | 48.610   | 20.260   | 19.670    | 20.180    | 83.646%   |           |           |
| 3    | 23:07:54 | 49.510   | 48.320   | 20.210   | 20.420    | 20.080    | 86.288%   |           |           |
| X    |          | 48.760   | 48.290   | 20.280   | 20.090    | 20.190    | 83.262%   |           |           |
| σ    |          | 0.691    | 0.329    | 0.085    | 0.384     | 0.127     | 3.235%    |           |           |
| %RSD |          | 1.417    | 0.681    | 0.417    | 1.910     | 0.628     | 3.885     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B    | 11B       | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|----------|----------|--------|-----------|------------|------------|-----------|-----------|
|      |          | ppb      | ppb      | ppb    | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:10:49 | 100.670% | -0.031   | 92.100 | 85.770    | 0.000      | 103500.000 | 34270.000 | 34650.000 |
| 2    | 23:11:31 | 104.042% | -0.001   | 86.760 | 88.360    | 0.000      | 102400.000 | 34510.000 | 34840.000 |
| 3    | 23:12:12 | 107.332% | -0.031   | 95.710 | 86.290    | 0.000      | 101600.000 | 34410.000 | 34550.000 |
| X    |          | 104.014% | -0.021   | 91.520 | 86.810    | 0.000      | 102500.000 | 34390.000 | 34680.000 |
| σ    |          | 3.331%   | 0.017    | 4.502  | 1.371     | 0.000      | 974.500    | 119.300   | 145.300   |
| %RSD |          | 3.202    | 83.750   | 4.919  | 1.579     | 0.000      | 0.951      | 0.347     | 0.419     |
| Run  | Time     | 27Al     | 28Si     | 37Cl   | 39K       | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:10:49 | -1.952   | 6234.000 | 0.000  | 10220.000 | 124200.000 | 124600.000 | 76.795%   | 2.009     |
| 2    | 23:11:31 | -2.783   | 6261.000 | 0.000  | 10200.000 | 125400.000 | 126000.000 | 78.050%   | 1.775     |
| 3    | 23:12:12 | -3.261   | 6242.000 | 0.000  | 10140.000 | 132000.000 | 126100.000 | 78.677%   | 1.959     |
| X    |          | -2.665   | 6246.000 | 0.000  | 10190.000 | 127200.000 | 125600.000 | 77.841%   | 1.914     |
| σ    |          | 0.663    | 13.510   | 0.000  | 43.300    | 4181.000   | 859.900    | 0.959%    | 0.123     |
| %RSD |          | 24.860   | 0.216    | 0.000  | 0.425     | 3.286      | 0.685      | 1.232     | 6.446     |
| Run  | Time     | 51V      | 52Cr     | 55Mn   | 56Fe      | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:10:49 | -9.172   | 2.149    | 71.920 | 886.700   | 1253.000   | 0.423      | 1.238     | 2.011     |
| 2    | 23:11:31 | -9.851   | 2.303    | 73.050 | 895.700   | 1247.000   | 0.356      | 1.400     | 1.714     |
| 3    | 23:12:12 | -11.550  | 2.457    | 72.650 | 894.800   | 1240.000   | 0.370      | 1.627     | 1.874     |
| X    |          | -10.190  | 2.303    | 72.540 | 892.400   | 1247.000   | 0.383      | 1.422     | 1.866     |
| σ    |          | 1.224    | 0.154    | 0.574  | 4.963     | 6.517      | 0.036      | 0.196     | 0.148     |
| %RSD |          | 12.010   | 6.698    | 0.792  | 0.556     | 0.523      | 9.307      | 13.760    | 7.949     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn   | 75As      | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:10:49 | 2.188    | 10.900   | 12.250 | -1.456    | 9.166      | 7.980      | 0.000     | 437.100   |
| 2    | 23:11:31 | 2.552    | 10.990   | 11.790 | 0.604     | 6.581      | 7.114      | 0.000     | 437.800   |
| 3    | 23:12:12 | 2.014    | 12.380   | 11.860 | 2.049     | 5.691      | 6.610      | 0.000     | 436.800   |
| X    |          | 2.251    | 11.420   | 11.970 | 0.399     | 7.146      | 7.235      | 0.000     | 437.200   |
| σ    |          | 0.275    | 0.829    | 0.245  | 1.762     | 1.805      | 0.693      | 0.000     | 0.502     |
| %RSD |          | 12.200   | 7.258    | 2.050  | 441.600   | 25.260     | 9.576      | 0.000     | 0.115     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo   | 103Rh     | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:10:49 | 76.690%  | 3.599    | 3.295  | 73.688%   | 0.004      | -0.002     | -0.113    | -0.218    |
| 2    | 23:11:31 | 78.999%  | 1.991    | 2.250  | 75.939%   | -0.002     | 0.004      | -0.009    | -0.191    |
| 3    | 23:12:12 | 78.990%  | 1.544    | 1.246  | 76.377%   | 0.003      | 0.009      | -0.114    | -0.166    |
| X    |          | 78.226%  | 2.378    | 2.264  | 75.334%   | 0.002      | 0.004      | -0.079    | -0.191    |
| σ    |          | 1.331%   | 1.081    | 1.024  | 1.443%    | 0.003      | 0.005      | 0.060     | 0.026     |
| %RSD |          | 1.701    | 45.460   | 45.250 | 1.915     | 158.800    | 142.800    | 76.270    | 13.640    |
| Run  | Time     | 115In    | 118Sn    | 121Sb  | 123Sb     | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:10:49 | 78.994%  | 16.360   | 0.344  | 0.342     | 10.030     | 11.100     | 86.131%   | 86.416%   |
| 2    | 23:11:31 | 82.383%  | 12.520   | 0.294  | 0.223     | 10.530     | 10.300     | 87.983%   | 89.494%   |
| 3    | 23:12:12 | 82.099%  | 10.600   | 0.233  | 0.210     | 9.727      | 10.570     | 88.328%   | 90.159%   |
| X    |          | 81.159%  | 13.160   | 0.290  | 0.259     | 10.100     | 10.660     | 87.481%   | 88.690%   |
| σ    |          | 1.880%   | 2.932    | 0.055  | 0.073     | 0.407      | 0.404      | 1.181%    | 1.997%    |
| %RSD |          | 2.317    | 22.280   | 19.060 | 28.100    | 4.029      | 3.794      | 1.350     | 2.251     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb  | 207Pb     | 208Pb      | 209Bi      |           |           |
|      |          | ppb      | ppb      | ppb    | ppb       | ppb        | ppb        |           |           |
| 1    | 23:10:49 | 0.375    | 0.441    | 0.070  | 0.105     | 0.084      | 81.970%    |           |           |
| 2    | 23:11:31 | 0.289    | 0.260    | 0.097  | 0.047     | 0.087      | 86.487%    |           |           |
| 3    | 23:12:12 | 0.203    | 0.216    | 0.073  | 0.059     | 0.084      | 86.067%    |           |           |
| X    |          | 0.289    | 0.305    | 0.080  | 0.070     | 0.085      | 84.841%    |           |           |
| σ    |          | 0.086    | 0.119    | 0.015  | 0.031     | 0.002      | 2.496%     |           |           |
| %RSD |          | 29.680   | 39.040   | 18.510 | 43.930    | 2.192      | 2.942      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:15:07 | 88.659% | 0.004    | 46.630  | 47.510    | 0.000     | 62500.000 | 35930.000 | 36160.000 |
| 2    | 23:15:49 | 89.125% | -0.031   | 47.910  | 48.810    | 0.000     | 62060.000 | 36070.000 | 36110.000 |
| 3    | 23:16:31 | 88.700% | -0.031   | 47.750  | 50.270    | 0.000     | 61600.000 | 35920.000 | 36070.000 |
| X    |          | 88.828% | -0.019   | 47.430  | 48.860    | 0.000     | 62050.000 | 35980.000 | 36110.000 |
| σ    |          | 0.258%  | 0.020    | 0.694   | 1.384     | 0.000     | 452.700   | 83.920    | 41.110    |
| %RSD |          | 0.291   | 106.800  | 1.464   | 2.832     | 0.000     | 0.730     | 0.233     | 0.114     |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:15:07 | 4.161   | 9331.000 | 0.000   | 1542.000  | 39600.000 | 38840.000 | 68.573%   | 2.183     |
| 2    | 23:15:49 | 3.786   | 9315.000 | 0.000   | 1537.000  | 40220.000 | 38950.000 | 68.962%   | 2.696     |
| 3    | 23:16:31 | 3.788   | 9273.000 | 0.000   | 1535.000  | 39770.000 | 39020.000 | 68.729%   | 1.724     |
| X    |          | 3.912   | 9306.000 | 0.000   | 1538.000  | 39860.000 | 38940.000 | 68.755%   | 2.201     |
| σ    |          | 0.216   | 30.100   | 0.000   | 3.545     | 319.800   | 95.640    | 0.196%    | 0.486     |
| %RSD |          | 5.518   | 0.323    | 0.000   | 0.230     | 0.802     | 0.246     | 0.284     | 22.090    |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:15:07 | -4.085  | 0.734    | 432.900 | 24610.000 | 24750.000 | 0.827     | 0.807     | 1.786     |
| 2    | 23:15:49 | -5.107  | 0.798    | 435.400 | 24360.000 | 24730.000 | 0.762     | 0.370     | 2.204     |
| 3    | 23:16:31 | -5.965  | 0.692    | 432.200 | 24190.000 | 24700.000 | 0.722     | 0.451     | 2.221     |
| X    |          | -5.053  | 0.741    | 433.500 | 24380.000 | 24730.000 | 0.770     | 0.543     | 2.070     |
| σ    |          | 0.941   | 0.054    | 1.663   | 211.900   | 22.070    | 0.053     | 0.233     | 0.246     |
| %RSD |          | 18.630  | 7.217    | 0.384   | 0.869     | 0.089     | 6.934     | 42.880    | 11.900    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:15:07 | 1.616   | 6.586    | 6.586   | 4.193     | -1.146    | 0.359     | 0.000     | 301.700   |
| 2    | 23:15:49 | 1.518   | 5.863    | 6.428   | 1.019     | -0.083    | -0.891    | 0.000     | 299.400   |
| 3    | 23:16:31 | 1.720   | 6.206    | 5.600   | 3.200     | -0.636    | -0.477    | 0.000     | 301.500   |
| X    |          | 1.618   | 6.218    | 6.205   | 2.804     | -0.622    | -0.336    | 0.000     | 300.800   |
| σ    |          | 0.101   | 0.362    | 0.529   | 1.623     | 0.532     | 0.636     | 0.000     | 1.265     |
| %RSD |          | 6.243   | 5.813    | 8.533   | 57.900    | 85.550    | 189.300   | 0.000     | 0.421     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:15:07 | 69.427% | 1.839    | 1.982   | 68.904%   | 0.010     | -0.001    | 0.045     | -0.139    |
| 2    | 23:15:49 | 70.898% | 1.843    | 2.098   | 70.120%   | 0.004     | -0.001    | 0.028     | -0.072    |
| 3    | 23:16:31 | 70.871% | 1.918    | 1.630   | 70.197%   | 0.010     | -0.007    | 0.023     | -0.061    |
| X    |          | 70.399% | 1.866    | 1.903   | 69.740%   | 0.008     | -0.003    | 0.032     | -0.090    |
| σ    |          | 0.842%  | 0.045    | 0.244   | 0.725%    | 0.003     | 0.003     | 0.011     | 0.042     |
| %RSD |          | 1.196   | 2.401    | 12.800  | 1.040     | 39.940    | 108.500   | 35.680    | 46.570    |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:15:07 | 73.013% | 9.741    | 0.253   | 0.189     | 589.200   | 581.900   | 78.963%   | 80.487%   |
| 2    | 23:15:49 | 74.333% | 8.705    | 0.152   | 0.134     | 591.600   | 581.800   | 81.543%   | 82.678%   |
| 3    | 23:16:31 | 75.049% | 8.440    | 0.173   | 0.161     | 593.500   | 581.900   | 81.283%   | 83.346%   |
| X    |          | 74.132% | 8.962    | 0.193   | 0.161     | 591.400   | 581.900   | 80.597%   | 82.170%   |
| σ    |          | 1.033%  | 0.687    | 0.053   | 0.028     | 2.201     | 0.051     | 1.420%    | 1.495%    |
| %RSD |          | 1.393   | 7.668    | 27.690  | 17.090    | 0.372     | 0.009     | 1.762     | 1.820     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 23:15:07 | 0.175   | 0.123    | 0.164   | 0.168     | 0.164     | 78.599%   |           |           |
| 2    | 23:15:49 | 0.117   | 0.090    | 0.170   | 0.155     | 0.159     | 80.759%   |           |           |
| 3    | 23:16:31 | 0.085   | 0.067    | 0.149   | 0.102     | 0.159     | 81.798%   |           |           |
| X    |          | 0.126   | 0.093    | 0.161   | 0.142     | 0.161     | 80.385%   |           |           |
| σ    |          | 0.046   | 0.028    | 0.011   | 0.035     | 0.003     | 1.632%    |           |           |
| %RSD |          | 36.270  | 30.330   | 6.732   | 24.890    | 1.695     | 2.031     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B      | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|----------|----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:19:24 | 92.829% | 0.070    | 81.130   | 82.390   | 0.000     | 40510.000 | 16300.000 | 16370.000 |
| 2    | 23:20:06 | 96.133% | 0.067    | 89.930   | 83.210   | 0.000     | 40380.000 | 16450.000 | 16510.000 |
| 3    | 23:20:47 | 97.209% | 0.066    | 89.090   | 82.100   | 0.000     | 40690.000 | 16610.000 | 16640.000 |
| X    |          | 95.390% | 0.067    | 86.720   | 82.570   | 0.000     | 40530.000 | 16450.000 | 16510.000 |
| σ    |          | 2.282%  | 0.002    | 4.858    | 0.574    | 0.000     | 156.700   | 154.000   | 136.200   |
| %RSD |          | 2.393   | 3.374    | 5.602    | 0.695    | 0.000     | 0.387     | 0.936     | 0.825     |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K      | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:19:24 | 43.940  | 5063.000 | 0.000    | 3976.000 | 44400.000 | 43100.000 | 70.847%   | 1.303     |
| 2    | 23:20:06 | 44.860  | 5076.000 | 0.000    | 4028.000 | 44710.000 | 43660.000 | 72.304%   | 1.633     |
| 3    | 23:20:47 | 45.150  | 5117.000 | 0.000    | 4038.000 | 44840.000 | 43650.000 | 72.807%   | 1.763     |
| X    |          | 44.650  | 5085.000 | 0.000    | 4014.000 | 44650.000 | 43470.000 | 71.986%   | 1.567     |
| σ    |          | 0.630   | 28.070   | 0.000    | 33.340   | 227.700   | 321.800   | 1.018%    | 0.237     |
| %RSD |          | 1.411   | 0.552    | 0.000    | 0.831    | 0.510     | 0.740     | 1.414     | 15.150    |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe     | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:19:24 | -5.891  | 2.650    | 16.940   | 73.340   | 142.400   | 0.624     | 3.878     | 2.016     |
| 2    | 23:20:06 | -4.529  | 2.990    | 17.640   | 65.990   | 137.900   | 0.579     | 2.944     | 2.162     |
| 3    | 23:20:47 | -7.517  | 3.043    | 17.930   | 64.180   | 137.700   | 0.551     | 3.423     | 2.272     |
| X    |          | -5.979  | 2.894    | 17.500   | 67.840   | 139.300   | 0.585     | 3.415     | 2.150     |
| σ    |          | 1.495   | 0.214    | 0.511    | 4.847    | 2.650     | 0.036     | 0.467     | 0.128     |
| %RSD |          | 25.010  | 7.382    | 2.918    | 7.145    | 1.902     | 6.216     | 13.680    | 5.964     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As     | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:19:24 | 1.914   | 20.540   | 22.000   | -1.097   | -0.365    | -0.247    | 0.000     | 202.800   |
| 2    | 23:20:06 | 2.105   | 21.430   | 23.070   | 0.468    | 0.878     | 0.654     | 0.000     | 206.400   |
| 3    | 23:20:47 | 1.593   | 20.450   | 21.460   | -0.529   | -1.393    | -1.154    | 0.000     | 204.300   |
| X    |          | 1.871   | 20.800   | 22.180   | -0.386   | -0.294    | -0.249    | 0.000     | 204.500   |
| σ    |          | 0.259   | 0.543    | 0.819    | 0.793    | 1.137     | 0.904     | 0.000     | 1.815     |
| %RSD |          | 13.850  | 2.608    | 3.692    | 205.200  | 387.400   | 363.300   | 0.000     | 0.887     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh    | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:19:24 | 73.872% | 0.155    | 0.018    | 71.216%  | -0.001    | -0.007    | 0.127     | 0.052     |
| 2    | 23:20:06 | 75.285% | -0.129   | 0.039    | 72.538%  | -0.001    | -0.001    | 0.088     | 0.091     |
| 3    | 23:20:47 | 76.421% | 0.011    | -0.063   | 73.512%  | -0.001    | 0.004     | -0.166    | -0.071    |
| X    |          | 75.193% | 0.012    | -0.002   | 72.422%  | -0.001    | -0.001    | 0.016     | 0.024     |
| σ    |          | 1.277%  | 0.142    | 0.054    | 1.153%   | 0.000     | 0.005     | 0.159     | 0.085     |
| %RSD |          | 1.698   | 1183.000 | 3033.000 | 1.592    | 7.291     | 368.900   | 972.000   | 355.500   |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb    | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:19:24 | 75.592% | 5.024    | 0.050    | 0.088    | 78.080    | 76.030    | 82.290%   | 82.510%   |
| 2    | 23:20:06 | 77.803% | 5.821    | 0.166    | 0.141    | 76.470    | 76.850    | 83.689%   | 85.430%   |
| 3    | 23:20:47 | 78.925% | 4.781    | 0.127    | 0.097    | 79.370    | 78.020    | 84.677%   | 86.179%   |
| X    |          | 77.440% | 5.209    | 0.114    | 0.109    | 77.970    | 76.970    | 83.552%   | 84.706%   |
| σ    |          | 1.696%  | 0.544    | 0.059    | 0.028    | 1.455     | 1.000     | 1.199%    | 1.939%    |
| %RSD |          | 2.190   | 10.450   | 52.020   | 25.720   | 1.866     | 1.300     | 1.435     | 2.289     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb    | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb      | ppb      | ppb       | ppb       |           |           |
| 1    | 23:19:24 | 0.078   | 0.063    | 0.107    | 0.087    | 0.089     | 79.871%   |           |           |
| 2    | 23:20:06 | 0.061   | 0.055    | 0.050    | 0.065    | 0.073     | 84.036%   |           |           |
| 3    | 23:20:47 | 0.064   | 0.048    | 0.064    | 0.090    | 0.078     | 83.781%   |           |           |
| X    |          | 0.068   | 0.055    | 0.074    | 0.081    | 0.080     | 82.563%   |           |           |
| σ    |          | 0.009   | 0.008    | 0.030    | 0.014    | 0.008     | 2.335%    |           |           |
| %RSD |          | 13.020  | 14.430   | 40.310   | 16.830   | 10.510    | 2.828     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B     | 11B       | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|----------|----------|---------|-----------|------------|------------|-----------|-----------|
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:23:40 | 101.459% | -0.031   | 115.600 | 109.900   | 0.000      | 269700.000 | 45060.000 | 45190.000 |
| 2    | 23:24:21 | 104.073% | -0.031   | 117.200 | 110.500   | 0.000      | 266800.000 | 45500.000 | 45700.000 |
| 3    | 23:25:03 | 104.915% | -0.031   | 119.300 | 114.800   | 0.000      | 265600.000 | 45530.000 | 45780.000 |
| X    |          | 103.482% | -0.031   | 117.400 | 111.700   | 0.000      | 267400.000 | 45360.000 | 45560.000 |
| σ    |          | 1.802%   | 0.000    | 1.864   | 2.710     | 0.000      | 2145.000   | 261.500   | 322.500   |
| %RSD |          | 1.741    | 0.000    | 1.588   | 2.425     | 0.000      | 0.802      | 0.577     | 0.708     |
| Run  | Time     | 27Al     | 28Si     | 37Cl    | 39K       | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:23:40 | -3.470   | 3676.000 | 0.000   | 13190.000 | 200900.000 | 204700.000 | 75.984%   | 0.870     |
| 2    | 23:24:21 | -3.941   | 3680.000 | 0.000   | 13070.000 | 203700.000 | 208400.000 | 77.150%   | 0.720     |
| 3    | 23:25:03 | -3.975   | 3660.000 | 0.000   | 12960.000 | 201800.000 | 208400.000 | 77.676%   | 0.715     |
| X    |          | -3.795   | 3672.000 | 0.000   | 13070.000 | 202100.000 | 207200.000 | 76.937%   | 0.768     |
| σ    |          | 0.282    | 10.930   | 0.000   | 115.300   | 1407.000   | 2113.000   | 0.866%    | 0.088     |
| %RSD |          | 7.438    | 0.298    | 0.000   | 0.882     | 0.696      | 1.020      | 1.126     | 11.440    |
| Run  | Time     | 51V      | 52Cr     | 55Mn    | 56Fe      | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:23:40 | -6.897   | 2.897    | 24.520  | 27.420    | 284.200    | 0.235      | 8.062     | 3.032     |
| 2    | 23:24:21 | -9.042   | 3.159    | 25.010  | 27.790    | 263.700    | 0.276      | 7.925     | 2.307     |
| 3    | 23:25:03 | -8.944   | 3.201    | 24.860  | 28.170    | 276.800    | 0.258      | 8.171     | 2.185     |
| X    |          | -8.294   | 3.086    | 24.790  | 27.790    | 274.900    | 0.256      | 8.053     | 2.508     |
| σ    |          | 1.211    | 0.165    | 0.249   | 0.377     | 10.390     | 0.021      | 0.123     | 0.458     |
| %RSD |          | 14.600   | 5.332    | 1.003   | 1.355     | 3.780      | 8.154      | 1.532     | 18.250    |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn    | 75As      | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:23:40 | 2.196    | 4.861    | 5.231   | -1.295    | 0.930      | 1.254      | 0.000     | 764.600   |
| 2    | 23:24:21 | 2.036    | 5.401    | 6.873   | 0.115     | 0.944      | 1.294      | 0.000     | 770.000   |
| 3    | 23:25:03 | 2.446    | 5.591    | 5.745   | -1.577    | 1.425      | 0.806      | 0.000     | 772.900   |
| X    |          | 2.226    | 5.284    | 5.950   | -0.919    | 1.100      | 1.118      | 0.000     | 769.200   |
| σ    |          | 0.206    | 0.379    | 0.840   | 0.907     | 0.282      | 0.271      | 0.000     | 4.193     |
| %RSD |          | 9.272    | 7.174    | 14.110  | 98.670    | 25.610     | 24.240     | 0.000     | 0.545     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo    | 103Rh     | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:23:40 | 75.586%  | 0.062    | 0.089   | 71.047%   | 0.004      | 0.004      | 0.237     | 0.231     |
| 2    | 23:24:21 | 77.504%  | -0.005   | 0.087   | 73.120%   | 0.004      | 0.010      | 0.170     | 0.094     |
| 3    | 23:25:03 | 77.806%  | 0.049    | 0.188   | 73.951%   | -0.006     | -0.002     | 0.181     | 0.126     |
| X    |          | 76.965%  | 0.035    | 0.121   | 72.706%   | 0.000      | 0.004      | 0.196     | 0.150     |
| σ    |          | 1.204%   | 0.036    | 0.058   | 1.496%    | 0.006      | 0.006      | 0.036     | 0.072     |
| %RSD |          | 1.565    | 101.100  | 47.890  | 2.057     | 1256.000   | 134.800    | 18.330    | 47.780    |
| Run  | Time     | 115In    | 118Sn    | 121Sb   | 123Sb     | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:23:40 | 76.634%  | 5.320    | 0.092   | 0.101     | 246.300    | 241.000    | 83.533%   | 83.952%   |
| 2    | 23:24:21 | 78.316%  | 5.761    | 0.159   | 0.077     | 248.800    | 245.800    | 86.318%   | 86.861%   |
| 3    | 23:25:03 | 79.062%  | 5.634    | 0.083   | 0.069     | 248.200    | 246.700    | 87.249%   | 88.884%   |
| X    |          | 78.004%  | 5.572    | 0.112   | 0.082     | 247.700    | 244.500    | 85.700%   | 86.566%   |
| σ    |          | 1.243%   | 0.227    | 0.041   | 0.016     | 1.325      | 3.083      | 1.933%    | 2.479%    |
| %RSD |          | 1.594    | 4.075    | 37.140  | 19.940    | 0.535      | 1.261      | 2.256     | 2.864     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb   | 207Pb     | 208Pb      | 209Bi      |           |           |
|      |          | ppb      | ppb      | ppb     | ppb       | ppb        | ppb        |           |           |
| 1    | 23:23:40 | 0.058    | 0.059    | 0.040   | 0.033     | 0.033      | 77.417%    |           |           |
| 2    | 23:24:21 | 0.039    | 0.037    | 0.033   | 0.021     | 0.034      | 81.827%    |           |           |
| 3    | 23:25:03 | 0.032    | 0.054    | 0.029   | 0.012     | 0.036      | 82.609%    |           |           |
| X    |          | 0.043    | 0.050    | 0.034   | 0.022     | 0.034      | 80.618%    |           |           |
| σ    |          | 0.013    | 0.012    | 0.006   | 0.010     | 0.002      | 2.799%     |           |           |
| %RSD |          | 31.300   | 23.770   | 17.100  | 46.100    | 4.498      | 3.472      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:30:45 | 75.630%  | 104.500  | 96.980   | 92.790    | 0.000     | 47810.000 | 41230.000 | 41500.000 |
| 2    | 23:31:27 | 79.028%  | 102.800  | 98.820   | 95.020    | 0.000     | 47110.000 | 41060.000 | 41260.000 |
| 3    | 23:32:09 | 79.050%  | 104.100  | 88.260   | 97.770    | 0.000     | 47120.000 | 41490.000 | 41760.000 |
| x    |          | 77.903%  | 103.793% | 94.688%  | 95.194%   | 0.000     | 94.694%   | 82.517%   | 83.018%   |
| σ    |          | 1.968%   | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 2.527    | 0.864    | 5.957    | 2.616     | 0.000     | 0.838     | 0.523     | 0.604     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:30:45 | 460.300  | 4821.000 | 0.000    | 48280.000 | 47040.000 | 47200.000 | 73.529%   | 97.780    |
| 2    | 23:31:27 | 455.900  | 4854.000 | 0.000    | 47870.000 | 48420.000 | 47150.000 | 75.489%   | 96.370    |
| 3    | 23:32:09 | 463.300  | 4864.000 | 0.000    | 47820.000 | 47540.000 | 47330.000 | 76.985%   | 104.000   |
| x    |          | 91.968%  | 96.928%  | 0.000    | 95.984%   | 95.334%   | 94.455%   | 75.334%   | 99.383%   |
| σ    |          | n/a      | n/a      | 0.000    | n/a       | n/a       | n/a       | 1.734%    | n/a       |
| %RSD |          | 0.808    | 0.470    | 0.000    | 0.524     | 1.460     | 0.200     | 2.301     | 4.088     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:30:45 | 94.490   | 96.690   | 476.600  | 24450.000 | 24110.000 | 98.210    | 97.460    | 101.000   |
| 2    | 23:31:27 | 95.930   | 98.250   | 479.600  | 24290.000 | 24350.000 | 99.220    | 100.800   | 101.600   |
| 3    | 23:32:09 | 97.180   | 98.960   | 481.500  | 24260.000 | 24490.000 | 98.520    | 99.670    | 103.200   |
| x    |          | 95.865%  | 97.964%  | 95.849%  | 97.329%   | 97.255%   | 98.648%   | 99.320%   | 101.922%  |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 1.404    | 1.183    | 0.524    | 0.415     | 0.791     | 0.526     | 1.728     | 1.088     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:30:45 | 100.000  | 102.300  | 103.200  | 99.420    | 87.740    | 98.000    | 0.000     | 97.360    |
| 2    | 23:31:27 | 100.400  | 101.100  | 102.200  | 98.150    | 100.100   | 97.550    | 0.000     | 97.120    |
| 3    | 23:32:09 | 103.300  | 100.600  | 98.550   | 100.700   | 97.740    | 102.000   | 0.000     | 96.720    |
| x    |          | 101.258% | 101.310% | 101.305% | 99.435%   | 95.191%   | 99.169%   | 0.000     | 97.070%   |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 1.785    | 0.846    | 2.400    | 1.298     | 6.888     | 2.446     | 0.000     | 0.332     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:30:45 | 74.215%  | 97.940   | 98.310   | 73.337%   | 97.450    | 98.300    | 97.630    | 97.310    |
| 2    | 23:31:27 | 76.919%  | 98.020   | 102.400  | 75.987%   | 97.770    | 98.720    | 98.300    | 96.710    |
| 3    | 23:32:09 | 78.385%  | 102.300  | 101.300  | 77.765%   | 98.270    | 98.620    | 99.890    | 97.010    |
| x    |          | 76.507%  | 99.429%  | 100.686% | 75.696%   | 97.834%   | 98.547%   | 98.608%   | 97.010%   |
| σ    |          | 2.115%   | n/a      | n/a      | 2.229%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 2.765    | 2.523    | 2.109    | 2.944     | 0.422     | 0.225     | 1.180     | 0.310     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:30:45 | 76.458%  | 98.990   | 98.500   | 98.360    | 95.990    | 96.180    | 80.706%   | 80.768%   |
| 2    | 23:31:27 | 79.218%  | 99.770   | 99.350   | 97.970    | 97.050    | 96.740    | 84.155%   | 85.215%   |
| 3    | 23:32:09 | 80.762%  | 100.300  | 97.050   | 97.790    | 97.850    | 97.400    | 85.077%   | 86.507%   |
| x    |          | 78.812%  | 99.698%  | 98.304%  | 98.040%   | 96.961%   | 96.772%   | 83.313%   | 84.163%   |
| σ    |          | 2.180%   | n/a      | n/a      | n/a       | n/a       | n/a       | 2.304%    | 3.011%    |
| %RSD |          | 2.767    | 0.678    | 1.184    | 0.294     | 0.962     | 0.634     | 2.766     | 3.577     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 23:30:45 | 101.300  | 100.800  | 102.900  | 102.100   | 102.600   | 78.003%   |           |           |
| 2    | 23:31:27 | 101.100  | 101.600  | 102.200  | 102.000   | 102.500   | 81.456%   |           |           |
| 3    | 23:32:09 | 100.400  | 100.500  | 101.600  | 102.400   | 101.800   | 83.386%   |           |           |
| x    |          | 100.935% | 100.982% | 102.219% | 102.165%  | 102.308%  | 80.948%   |           |           |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | 2.727%    |           |           |
| %RSD |          | 0.434    | 0.599    | 0.649    | 0.247     | 0.395     | 3.369     |           |           |

CCB8 12/29/2012 11:37:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B     | 11B     | 13C    | 23Na    | 25Mg    | 26Mg    |
|------|----------|---------|---------|---------|---------|--------|---------|---------|---------|
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 23:37:53 | 89.084% | -0.031  | 0.838   | 1.742   | 0.000  | -30.050 | 21.910  | 21.630  |
| 2    | 23:38:35 | 90.198% | 0.037   | 2.904   | 1.711   | 0.000  | -18.980 | 26.790  | 27.520  |
| 3    | 23:39:17 | 90.701% | 0.037   | 0.073   | 1.551   | 0.000  | -35.750 | 20.700  | 21.330  |
| X    |          | 89.994% | 0.014   | 1.271   | 1.668   | 0.000  | -28.260 | 23.130  | 23.490  |
| σ    |          | 0.828%  | 0.039   | 1.464   | 0.102   | 0.000  | 8.529   | 3.226   | 3.491   |
| %RSD |          | 0.920   | 270.900 | 115.200 | 6.128   | 0.000  | 30.180  | 13.950  | 14.860  |
| Run  | Time     | 27Al    | 28Si    | 37Cl    | 39K     | 43Ca   | 44Ca    | 45Sc    | 47Ti    |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 23:37:53 | -1.821  | 2.459   | 0.000   | 9.968   | 39.860 | 47.140  | 83.805% | 0.161   |
| 2    | 23:38:35 | -1.014  | 2.811   | 0.000   | 15.260  | 87.480 | 55.460  | 84.284% | 0.221   |
| 3    | 23:39:17 | -2.083  | 2.860   | 0.000   | 4.170   | 65.590 | 49.780  | 85.051% | 0.157   |
| X    |          | -1.639  | 2.710   | 0.000   | 9.801   | 64.310 | 50.790  | 84.380% | 0.180   |
| σ    |          | 0.557   | 0.219   | 0.000   | 5.549   | 23.840 | 4.252   | 0.628%  | 0.036   |
| %RSD |          | 33.980  | 8.074   | 0.000   | 56.620  | 37.070 | 8.372   | 0.745   | 19.960  |
| Run  | Time     | 51V     | 52Cr    | 55Mn    | 56Fe    | 57Fe   | 59Co    | 60Ni    | 63Cu    |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 23:37:53 | 0.108   | 0.025   | 0.356   | 17.440  | 27.650 | 0.050   | 0.176   | 0.489   |
| 2    | 23:38:35 | 0.227   | 0.018   | 0.427   | 16.470  | 26.690 | 0.041   | 0.153   | 0.534   |
| 3    | 23:39:17 | 0.078   | -0.023  | 0.377   | 12.000  | 20.830 | 0.049   | 0.173   | 0.331   |
| X    |          | 0.138   | 0.007   | 0.387   | 15.300  | 25.060 | 0.047   | 0.167   | 0.451   |
| σ    |          | 0.079   | 0.026   | 0.036   | 2.898   | 3.695  | 0.005   | 0.012   | 0.107   |
| %RSD |          | 57.210  | 374.900 | 9.315   | 18.940  | 14.750 | 9.669   | 7.216   | 23.650  |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn    | 75As    | 78Se   | 82Se    | 83Kr    | 88Sr    |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 23:37:53 | 0.189   | 0.484   | 0.335   | -0.065  | -0.336 | -0.015  | 0.000   | 0.470   |
| 2    | 23:38:35 | 0.352   | 0.503   | 0.353   | -0.280  | -0.469 | -0.980  | 0.000   | 0.752   |
| 3    | 23:39:17 | 0.432   | 0.338   | 0.426   | -0.406  | -1.652 | -1.393  | 0.000   | 0.502   |
| X    |          | 0.325   | 0.442   | 0.372   | -0.250  | -0.819 | -0.796  | 0.000   | 0.575   |
| σ    |          | 0.124   | 0.090   | 0.048   | 0.173   | 0.725  | 0.707   | 0.000   | 0.154   |
| %RSD |          | 38.050  | 20.410  | 13.040  | 68.970  | 88.470 | 88.840  | 0.000   | 26.780  |
| Run  | Time     | 89Y     | 95Mo    | 98Mo    | 103Rh   | 107Ag  | 109Ag   | 111Cd   | 114Cd   |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 23:37:53 | 82.568% | 0.327   | 0.314   | 80.453% | 0.065  | 0.055   | 0.040   | 0.045   |
| 2    | 23:38:35 | 82.878% | 0.101   | 0.158   | 81.005% | 0.051  | 0.075   | -0.009  | 0.010   |
| 3    | 23:39:17 | 82.860% | 0.179   | 0.254   | 81.072% | 0.065  | 0.034   | 0.094   | 0.031   |
| X    |          | 82.769% | 0.202   | 0.242   | 80.843% | 0.060  | 0.055   | 0.042   | 0.029   |
| σ    |          | 0.174%  | 0.115   | 0.079   | 0.340%  | 0.008  | 0.021   | 0.051   | 0.018   |
| %RSD |          | 0.210   | 56.680  | 32.570  | 0.421   | 13.850 | 37.610  | 123.500 | 61.090  |
| Run  | Time     | 115In   | 118Sn   | 121Sb   | 123Sb   | 135Ba  | 137Ba   | 159Tb   | 165Ho   |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     |
| 1    | 23:37:53 | 80.581% | 0.292   | 0.093   | 0.062   | 0.182  | 0.207   | 82.077% | 82.570% |
| 2    | 23:38:35 | 81.059% | 0.661   | 0.087   | 0.061   | 0.314  | 0.410   | 83.257% | 84.027% |
| 3    | 23:39:17 | 81.364% | 0.724   | 0.050   | 0.014   | 0.177  | 0.219   | 83.886% | 84.408% |
| X    |          | 81.001% | 0.559   | 0.077   | 0.046   | 0.224  | 0.279   | 83.073% | 83.669% |
| σ    |          | 0.395%  | 0.233   | 0.023   | 0.027   | 0.077  | 0.114   | 0.918%  | 0.970%  |
| %RSD |          | 0.488   | 41.740  | 30.240  | 59.990  | 34.520 | 41.010  | 1.106   | 1.160   |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb   | 207Pb   | 208Pb  | 209Bi   |         |         |
|      |          | ppb     | ppb     | ppb     | ppb     | ppb    | ppb     |         |         |
| 1    | 23:37:53 | 0.102   | 0.095   | 0.053   | 0.040   | 0.044  | 84.876% |         |         |
| 2    | 23:38:35 | 0.054   | 0.117   | 0.059   | 0.043   | 0.064  | 85.926% |         |         |
| 3    | 23:39:17 | 0.071   | 0.055   | 0.044   | 0.063   | 0.059  | 86.670% |         |         |
| X    |          | 0.076   | 0.089   | 0.052   | 0.049   | 0.056  | 85.824% |         |         |
| σ    |          | 0.025   | 0.032   | 0.007   | 0.012   | 0.010  | 0.901%  |         |         |
| %RSD |          | 32.370  | 35.380  | 14.320  | 25.120  | 18.510 | 1.050   |         |         |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B    | 11B      | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|--------|----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:42:12 | 92.335% | -0.031   | 61.450 | 57.080   | 0.000     | 68800.000 | 15760.000 | 15760.000 |
| 2    | 23:42:53 | 95.122% | -0.031   | 56.540 | 58.420   | 0.000     | 68050.000 | 15740.000 | 15750.000 |
| 3    | 23:43:35 | 96.978% | 0.034    | 57.040 | 58.670   | 0.000     | 67520.000 | 15720.000 | 15770.000 |
| X    |          | 94.812% | -0.009   | 58.340 | 58.050   | 0.000     | 68120.000 | 15740.000 | 15760.000 |
| σ    |          | 2.337%  | 0.037    | 2.702  | 0.857    | 0.000     | 640.700   | 23.050    | 9.331     |
| %RSD |          | 2.465   | 405.200  | 4.630  | 1.475    | 0.000     | 0.940     | 0.146     | 0.059     |
| Run  | Time     | 27Al    | 28Si     | 37Cl   | 39K      | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:42:12 | 2.978   | 4546.000 | 0.000  | 1306.000 | 48010.000 | 47520.000 | 69.073%   | 1.491     |
| 2    | 23:42:53 | 2.571   | 4531.000 | 0.000  | 1316.000 | 48040.000 | 47580.000 | 70.887%   | 0.864     |
| 3    | 23:43:35 | 2.913   | 4516.000 | 0.000  | 1319.000 | 47250.000 | 47340.000 | 71.523%   | 1.292     |
| X    |          | 2.821   | 4531.000 | 0.000  | 1314.000 | 47770.000 | 47480.000 | 70.494%   | 1.216     |
| σ    |          | 0.219   | 14.960   | 0.000  | 6.548    | 444.300   | 121.900   | 1.272%    | 0.320     |
| %RSD |          | 7.748   | 0.330    | 0.000  | 0.498    | 0.930     | 0.257     | 1.804     | 26.340    |
| Run  | Time     | 51V     | 52Cr     | 55Mn   | 56Fe     | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:42:12 | -8.171  | 2.146    | 13.370 | 25.490   | 98.780    | 0.057     | 4.875     | 1.595     |
| 2    | 23:42:53 | -6.646  | 2.450    | 13.450 | 20.510   | 81.650    | 0.045     | 4.769     | 1.583     |
| 3    | 23:43:35 | -8.473  | 2.668    | 13.480 | 19.740   | 85.960    | 0.072     | 5.627     | 1.827     |
| X    |          | -7.763  | 2.422    | 13.430 | 21.920   | 88.790    | 0.058     | 5.090     | 1.668     |
| σ    |          | 0.979   | 0.262    | 0.054  | 3.119    | 8.913     | 0.013     | 0.468     | 0.137     |
| %RSD |          | 12.610  | 10.820   | 0.403  | 14.230   | 10.040    | 23.100    | 9.191     | 8.234     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn   | 75As     | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:42:12 | 1.209   | 3.312    | 2.313  | 1.039    | 2.236     | 0.332     | 0.000     | 241.700   |
| 2    | 23:42:53 | 1.357   | 2.795    | 2.678  | -2.382   | 0.389     | 1.077     | 0.000     | 239.700   |
| 3    | 23:43:35 | 2.237   | 2.401    | 3.120  | -0.444   | 2.002     | 0.960     | 0.000     | 242.600   |
| X    |          | 1.601   | 2.836    | 2.703  | -0.596   | 1.542     | 0.790     | 0.000     | 241.400   |
| σ    |          | 0.556   | 0.457    | 0.404  | 1.716    | 1.006     | 0.401     | 0.000     | 1.490     |
| %RSD |          | 34.720  | 16.110   | 14.940 | 288.000  | 65.220    | 50.790    | 0.000     | 0.617     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo   | 103Rh    | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:42:12 | 69.501% | 0.370    | 0.286  | 67.687%  | 0.010     | 0.011     | 0.134     | 0.017     |
| 2    | 23:42:53 | 72.025% | 0.257    | 0.110  | 69.633%  | -0.001    | -0.007    | 0.084     | -0.076    |
| 3    | 23:43:35 | 72.219% | 0.072    | 0.133  | 70.600%  | 0.010     | -0.001    | -0.173    | -0.080    |
| X    |          | 71.248% | 0.233    | 0.176  | 69.307%  | 0.006     | 0.001     | 0.015     | -0.046    |
| σ    |          | 1.517%  | 0.150    | 0.096  | 1.484%   | 0.006     | 0.009     | 0.165     | 0.055     |
| %RSD |          | 2.129   | 64.380   | 54.290 | 2.141    | 101.600   | 998.300   | 1095.000  | 118.800   |
| Run  | Time     | 115In   | 118Sn    | 121Sb  | 123Sb    | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:42:12 | 71.671% | 9.525    | 0.118  | 0.140    | 115.500   | 115.300   | 77.905%   | 78.345%   |
| 2    | 23:42:53 | 74.851% | 7.653    | 0.095  | 0.119    | 116.800   | 116.700   | 80.214%   | 80.777%   |
| 3    | 23:43:35 | 74.428% | 6.792    | 0.107  | 0.076    | 115.800   | 114.900   | 80.939%   | 82.927%   |
| X    |          | 73.650% | 7.990    | 0.107  | 0.112    | 116.000   | 115.600   | 79.686%   | 80.683%   |
| σ    |          | 1.727%  | 1.397    | 0.011  | 0.033    | 0.666     | 0.969     | 1.584%    | 2.292%    |
| %RSD |          | 2.344   | 17.490   | 10.570 | 29.350   | 0.574     | 0.838     | 1.988     | 2.841     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb  | 207Pb    | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb    | ppb      | ppb       | ppb       |           |           |
| 1    | 23:42:12 | 0.060   | 0.051    | 0.046  | 0.034    | 0.044     | 75.702%   |           |           |
| 2    | 23:42:53 | 0.042   | 0.043    | 0.012  | 0.032    | 0.023     | 78.591%   |           |           |
| 3    | 23:43:35 | 0.012   | 0.038    | 0.023  | 0.009    | 0.027     | 80.133%   |           |           |
| X    |          | 0.038   | 0.044    | 0.027  | 0.025    | 0.031     | 78.142%   |           |           |
| σ    |          | 0.024   | 0.006    | 0.017  | 0.014    | 0.011     | 2.249%    |           |           |
| %RSD |          | 63.510  | 14.590   | 63.400 | 54.720   | 35.350    | 2.878     |           |           |



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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be       | 10B      | 11B        | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|-----------|----------|------------|------------|------------|-----------|-----------|
|      |          | ppb     | ppb       | ppb      | ppb        | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:46:28 | 84.823% | 0.006     | 80.390   | 74.430     | 0.000      | 218600.000 | 96610.000 | 96530.000 |
| 2    | 23:47:10 | 86.774% | 0.005     | 78.430   | 77.000     | 0.000      | 215300.000 | 95090.000 | 94920.000 |
| 3    | 23:47:51 | 88.412% | -0.031    | 76.440   | 72.940     | 0.000      | 211900.000 | 93800.000 | 93930.000 |
| X    |          | 86.670% | -0.006    | 78.420   | 74.790     | 0.000      | 215300.000 | 95170.000 | 95130.000 |
| σ    |          | 1.797%  | 0.021     | 1.974    | 2.050      | 0.000      | 3380.000   | 1409.000  | 1310.000  |
| %RSD |          | 2.073   | 323.500   | 2.518    | 2.741      | 0.000      | 1.570      | 1.480     | 1.378     |
| Run  | Time     | 27Al    | 28Si      | 37Cl     | 39K        | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb       | ppb      | ppb        | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:46:28 | 240.100 | 10430.000 | 0.000    | 21310.000  | 143000.000 | 147100.000 | 65.094%   | 11.150    |
| 2    | 23:47:10 | 243.500 | 10400.000 | 0.000    | 21000.000  | 146900.000 | 146900.000 | 66.628%   | 12.830    |
| 3    | 23:47:51 | 238.500 | 10330.000 | 0.000    | 20790.000  | 146300.000 | 147200.000 | 67.005%   | 12.060    |
| X    |          | 240.700 | 10390.000 | 0.000    | 21040.000  | 145400.000 | 147000.000 | 66.242%   | 12.010    |
| σ    |          | 2.541   | 54.640    | 0.000    | 261.500    | 2099.000   | 134.400    | 1.012%    | 0.841     |
| %RSD |          | 1.056   | 0.526     | 0.000    | 1.243      | 1.444      | 0.091      | 1.528     | 7.003     |
| Run  | Time     | 51V     | 52Cr      | 55Mn     | 56Fe       | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb       | ppb      | ppb        | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:46:28 | -2.847  | 1.240     | 2826.000 | 114100.000 | 116800.000 | 0.231      | 0.597     | 2.966     |
| 2    | 23:47:10 | -1.786  | 1.351     | 2823.000 | 112000.000 | 117100.000 | 0.321      | 0.386     | 3.144     |
| 3    | 23:47:51 | -2.648  | 1.176     | 2845.000 | 111500.000 | 117300.000 | 0.242      | 1.167     | 3.580     |
| X    |          | -2.427  | 1.256     | 2831.000 | 112600.000 | 117100.000 | 0.265      | 0.717     | 3.230     |
| σ    |          | 0.564   | 0.089     | 11.500   | 1376.000   | 271.900    | 0.049      | 0.404     | 0.316     |
| %RSD |          | 23.230  | 7.056     | 0.406    | 1.223      | 0.232      | 18.520     | 56.360    | 9.770     |
| Run  | Time     | 65Cu    | 66Zn      | 68Zn     | 75As       | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb       | ppb      | ppb        | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:46:28 | 2.962   | 4.784     | 6.697    | 1.243      | -0.728     | -0.609     | 0.000     | 833.800   |
| 2    | 23:47:10 | 2.590   | 4.888     | 6.610    | 1.696      | -0.837     | 0.155      | 0.000     | 828.700   |
| 3    | 23:47:51 | 3.056   | 5.338     | 5.563    | 1.239      | -0.427     | 1.049      | 0.000     | 841.000   |
| X    |          | 2.869   | 5.003     | 6.290    | 1.393      | -0.664     | 0.199      | 0.000     | 834.500   |
| σ    |          | 0.247   | 0.294     | 0.631    | 0.263      | 0.212      | 0.830      | 0.000     | 6.160     |
| %RSD |          | 8.595   | 5.881     | 10.030   | 18.870     | 31.960     | 417.600    | 0.000     | 0.738     |
| Run  | Time     | 89Y     | 95Mo      | 98Mo     | 103Rh      | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb       | ppb      | ppb        | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:46:28 | 66.931% | 0.107     | 0.012    | 64.172%    | 0.017      | -0.007     | 0.028     | -0.077    |
| 2    | 23:47:10 | 69.366% | -0.081    | 0.012    | 66.162%    | -0.001     | -0.007     | -0.048    | -0.118    |
| 3    | 23:47:51 | 69.700% | -0.052    | 0.017    | 67.440%    | 0.010      | -0.007     | -0.051    | 0.011     |
| X    |          | 68.665% | -0.009    | 0.014    | 65.924%    | 0.009      | -0.007     | -0.024    | -0.061    |
| σ    |          | 1.511%  | 0.101     | 0.003    | 1.647%     | 0.009      | 0.000      | 0.045     | 0.066     |
| %RSD |          | 2.201   | 1161.000  | 21.630   | 2.498      | 102.300    | 0.000      | 190.800   | 107.500   |
| Run  | Time     | 115In   | 118Sn     | 121Sb    | 123Sb      | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb       | ppb      | ppb        | ppb        | ppb        | ppb       | ppb       |
| 1    | 23:46:28 | 69.565% | 5.553     | 0.152    | 0.099      | 467.800    | 465.700    | 76.502%   | 78.720%   |
| 2    | 23:47:10 | 72.007% | 5.581     | 0.076    | 0.138      | 463.900    | 467.600    | 80.944%   | 81.361%   |
| 3    | 23:47:51 | 74.353% | 4.620     | 0.152    | 0.141      | 469.100    | 469.900    | 80.755%   | 82.825%   |
| X    |          | 71.975% | 5.251     | 0.127    | 0.126      | 466.900    | 467.700    | 79.400%   | 80.969%   |
| σ    |          | 2.394%  | 0.547     | 0.044    | 0.024      | 2.717      | 2.073      | 2.512%    | 2.081%    |
| %RSD |          | 3.326   | 10.420    | 34.670   | 18.860     | 0.582      | 0.443      | 3.164     | 2.570     |
| Run  | Time     | 203Tl   | 205Tl     | 206Pb    | 207Pb      | 208Pb      | 209Bi      |           |           |
|      |          | ppb     | ppb       | ppb      | ppb        | ppb        | ppb        |           |           |
| 1    | 23:46:28 | 0.035   | 0.022     | 2.008    | 1.997      | 2.080      | 73.901%    |           |           |
| 2    | 23:47:10 | 0.023   | 0.011     | 2.261    | 2.117      | 2.138      | 78.216%    |           |           |
| 3    | 23:47:51 | 0.032   | 0.030     | 2.248    | 2.203      | 2.262      | 79.018%    |           |           |
| X    |          | 0.030   | 0.021     | 2.172    | 2.106      | 2.160      | 77.045%    |           |           |
| σ    |          | 0.006   | 0.009     | 0.142    | 0.104      | 0.093      | 2.752%     |           |           |
| %RSD |          | 21.590  | 45.570    | 6.547    | 4.934      | 4.301      | 3.572      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:50:45 | 87.651% | 0.005    | 121.400  | 121.600   | 0.000     | 94660.000 | 29040.000 | 29060.000 |
| 2    | 23:51:26 | 89.185% | -0.031   | 122.700  | 125.400   | 0.000     | 93570.000 | 28990.000 | 29040.000 |
| 3    | 23:52:08 | 90.293% | -0.031   | 125.200  | 120.100   | 0.000     | 93520.000 | 28830.000 | 29100.000 |
| X    |          | 89.043% | -0.019   | 123.100  | 122.300   | 0.000     | 93920.000 | 28960.000 | 29060.000 |
| σ    |          | 1.327%  | 0.020    | 1.909    | 2.764     | 0.000     | 642.800   | 109.200   | 30.200    |
| %RSD |          | 1.490   | 108.700  | 1.551    | 2.259     | 0.000     | 0.685     | 0.377     | 0.104     |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:50:45 | -1.848  | 6871.000 | 0.000    | 4838.000  | 52860.000 | 53010.000 | 68.225%   | 1.510     |
| 2    | 23:51:26 | -2.055  | 6857.000 | 0.000    | 4844.000  | 53520.000 | 52950.000 | 68.984%   | 1.416     |
| 3    | 23:52:08 | -1.221  | 6882.000 | 0.000    | 4869.000  | 53530.000 | 53290.000 | 68.916%   | 2.093     |
| X    |          | -1.708  | 6870.000 | 0.000    | 4850.000  | 53310.000 | 53080.000 | 68.708%   | 1.673     |
| σ    |          | 0.435   | 12.520   | 0.000    | 16.540    | 384.700   | 177.900   | 0.420%    | 0.367     |
| %RSD |          | 25.450  | 0.182    | 0.000    | 0.341     | 0.722     | 0.335     | 0.611     | 21.950    |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:50:45 | -2.135  | 0.366    | 1948.000 | 46210.000 | 47060.000 | 4.121     | 1.916     | 2.954     |
| 2    | 23:51:26 | -3.715  | 0.323    | 1961.000 | 45730.000 | 47310.000 | 4.392     | 1.870     | 2.785     |
| 3    | 23:52:08 | -3.367  | 0.570    | 1960.000 | 45740.000 | 47450.000 | 4.134     | 1.941     | 2.826     |
| X    |          | -3.072  | 0.419    | 1956.000 | 45890.000 | 47270.000 | 4.216     | 1.909     | 2.855     |
| σ    |          | 0.830   | 0.132    | 7.024    | 271.800   | 195.400   | 0.153     | 0.036     | 0.088     |
| %RSD |          | 27.010  | 31.410   | 0.359    | 0.592     | 0.413     | 3.631     | 1.886     | 3.093     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:50:45 | 2.696   | 12.330   | 10.250   | 9.001     | -1.434    | -1.382    | 0.000     | 387.900   |
| 2    | 23:51:26 | 2.491   | 11.390   | 13.000   | 11.320    | -0.537    | -0.163    | 0.000     | 380.300   |
| 3    | 23:52:08 | 2.656   | 11.880   | 12.630   | 8.056     | -2.062    | -1.086    | 0.000     | 382.500   |
| X    |          | 2.614   | 11.870   | 11.960   | 9.458     | -1.344    | -0.877    | 0.000     | 383.500   |
| σ    |          | 0.109   | 0.469    | 1.490    | 1.679     | 0.766     | 0.636     | 0.000     | 3.938     |
| %RSD |          | 4.170   | 3.952    | 12.450   | 17.750    | 57.010    | 72.540    | 0.000     | 1.027     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:50:45 | 69.715% | 0.022    | 0.126    | 69.126%   | 0.015     | -0.001    | 0.058     | -0.016    |
| 2    | 23:51:26 | 71.864% | 0.088    | -0.043   | 71.002%   | 0.015     | 0.016     | -0.097    | -0.050    |
| 3    | 23:52:08 | 72.322% | 0.116    | 0.094    | 71.178%   | 0.004     | 0.010     | 0.103     | -0.027    |
| X    |          | 71.300% | 0.075    | 0.059    | 70.435%   | 0.011     | 0.008     | 0.021     | -0.031    |
| σ    |          | 1.392%  | 0.048    | 0.089    | 1.137%    | 0.006     | 0.009     | 0.105     | 0.017     |
| %RSD |          | 1.952   | 63.790   | 151.400  | 1.614     | 55.770    | 105.000   | 494.600   | 56.100    |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:50:45 | 73.713% | 4.556    | 0.142    | 0.165     | 56.750    | 57.830    | 80.298%   | 81.638%   |
| 2    | 23:51:26 | 75.508% | 4.601    | 0.272    | 0.231     | 55.740    | 55.850    | 82.170%   | 84.659%   |
| 3    | 23:52:08 | 77.090% | 4.654    | 0.223    | 0.121     | 58.090    | 58.450    | 83.087%   | 84.757%   |
| X    |          | 75.437% | 4.603    | 0.212    | 0.172     | 56.860    | 57.380    | 81.852%   | 83.685%   |
| σ    |          | 1.690%  | 0.049    | 0.065    | 0.055     | 1.181     | 1.355     | 1.421%    | 1.773%    |
| %RSD |          | 2.240   | 1.064    | 30.770   | 32.150    | 2.077     | 2.362     | 1.736     | 2.119     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 23:50:45 | 0.022   | 0.009    | 0.449    | 0.471     | 0.417     | 79.483%   |           |           |
| 2    | 23:51:26 | 0.029   | 0.006    | 0.394    | 0.451     | 0.454     | 82.671%   |           |           |
| 3    | 23:52:08 | 0.011   | 0.018    | 0.397    | 0.456     | 0.414     | 82.677%   |           |           |
| X    |          | 0.021   | 0.011    | 0.413    | 0.459     | 0.428     | 81.610%   |           |           |
| σ    |          | 0.009   | 0.006    | 0.031    | 0.010     | 0.022     | 1.842%    |           |           |
| %RSD |          | 43.440  | 58.330   | 7.455    | 2.183     | 5.161     | 2.257     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|---------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:55:01 | 86.138% | 0.005    | 106.100 | 105.800   | 0.000     | 74990.000 | 23390.000 | 23360.000 |
| 2    | 23:55:43 | 89.603% | 0.074    | 104.500 | 109.700   | 0.000     | 74250.000 | 23340.000 | 23430.000 |
| 3    | 23:56:25 | 90.558% | 0.004    | 111.800 | 108.300   | 0.000     | 73350.000 | 23110.000 | 23170.000 |
| X    |          | 88.766% | 0.028    | 107.500 | 107.900   | 0.000     | 74200.000 | 23280.000 | 23320.000 |
| σ    |          | 2.326%  | 0.040    | 3.843   | 1.957     | 0.000     | 822.500   | 146.300   | 135.300   |
| %RSD |          | 2.620   | 144.400  | 3.576   | 1.813     | 0.000     | 1.109     | 0.628     | 0.580     |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:55:01 | 192.500 | 7236.000 | 0.000   | 2934.000  | 43720.000 | 43320.000 | 66.712%   | 8.926     |
| 2    | 23:55:43 | 192.500 | 7206.000 | 0.000   | 2971.000  | 44460.000 | 44050.000 | 67.264%   | 10.700    |
| 3    | 23:56:25 | 188.000 | 7123.000 | 0.000   | 2936.000  | 43470.000 | 43530.000 | 67.814%   | 9.078     |
| X    |          | 191.000 | 7188.000 | 0.000   | 2947.000  | 43890.000 | 43630.000 | 67.263%   | 9.568     |
| σ    |          | 2.591   | 58.220   | 0.000   | 20.420    | 517.200   | 376.600   | 0.551%    | 0.983     |
| %RSD |          | 1.357   | 0.810    | 0.000   | 0.693     | 1.178     | 0.863     | 0.819     | 10.270    |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:55:01 | -1.869  | 1.365    | 774.000 | 34520.000 | 34900.000 | 0.340     | 1.914     | 3.469     |
| 2    | 23:55:43 | -1.459  | 1.259    | 785.600 | 34270.000 | 35140.000 | 0.346     | 2.237     | 4.003     |
| 3    | 23:56:25 | -1.121  | 1.164    | 780.500 | 33830.000 | 34800.000 | 0.322     | 2.015     | 3.861     |
| X    |          | -1.483  | 1.263    | 780.000 | 34210.000 | 34950.000 | 0.336     | 2.055     | 3.778     |
| σ    |          | 0.375   | 0.100    | 5.786   | 347.200   | 175.900   | 0.012     | 0.165     | 0.277     |
| %RSD |          | 25.250  | 7.934    | 0.742   | 1.015     | 0.503     | 3.639     | 8.036     | 7.320     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:55:01 | 3.040   | 8.119    | 9.048   | 16.980    | -0.846    | -0.983    | 0.000     | 278.100   |
| 2    | 23:55:43 | 3.258   | 8.421    | 9.704   | 18.540    | -0.463    | -0.991    | 0.000     | 281.800   |
| 3    | 23:56:25 | 3.432   | 8.818    | 9.699   | 16.750    | -0.666    | -0.684    | 0.000     | 279.600   |
| X    |          | 3.243   | 8.453    | 9.484   | 17.420    | -0.658    | -0.886    | 0.000     | 279.800   |
| σ    |          | 0.196   | 0.350    | 0.377   | 0.972     | 0.192     | 0.175     | 0.000     | 1.864     |
| %RSD |          | 6.044   | 4.143    | 3.978   | 5.580     | 29.170    | 19.710    | 0.000     | 0.666     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:55:01 | 69.612% | 0.164    | 0.167   | 68.476%   | -0.006    | -0.007    | -0.093    | -0.139    |
| 2    | 23:55:43 | 70.517% | 0.202    | 0.169   | 69.750%   | 0.015     | -0.007    | -0.157    | -0.186    |
| 3    | 23:56:25 | 72.042% | 0.178    | 0.244   | 70.708%   | -0.001    | 0.004     | -0.092    | -0.129    |
| X    |          | 70.723% | 0.181    | 0.193   | 69.645%   | 0.002     | -0.003    | -0.114    | -0.151    |
| σ    |          | 1.228%  | 0.020    | 0.044   | 1.120%    | 0.011     | 0.007     | 0.037     | 0.030     |
| %RSD |          | 1.737   | 10.760   | 22.820  | 1.608     | 455.000   | 206.400   | 32.690    | 20.050    |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 23:55:01 | 73.415% | 3.826    | 0.389   | 0.370     | 77.380    | 77.090    | 80.411%   | 80.969%   |
| 2    | 23:55:43 | 75.828% | 3.608    | 0.316   | 0.309     | 78.430    | 75.060    | 81.322%   | 82.741%   |
| 3    | 23:56:25 | 75.800% | 3.861    | 0.287   | 0.322     | 77.060    | 77.090    | 83.049%   | 85.197%   |
| X    |          | 75.014% | 3.765    | 0.330   | 0.334     | 77.620    | 76.410    | 81.594%   | 82.969%   |
| σ    |          | 1.385%  | 0.137    | 0.052   | 0.032     | 0.717     | 1.170     | 1.340%    | 2.123%    |
| %RSD |          | 1.847   | 3.645    | 15.840  | 9.665     | 0.923     | 1.531     | 1.642     | 2.559     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb       |           |           |
| 1    | 23:55:01 | 0.003   | 0.014    | 1.053   | 1.156     | 1.120     | 79.021%   |           |           |
| 2    | 23:55:43 | 0.009   | 0.008    | 1.120   | 1.064     | 1.101     | 81.903%   |           |           |
| 3    | 23:56:25 | -0.007  | 0.015    | 1.155   | 1.088     | 1.143     | 83.527%   |           |           |
| X    |          | 0.002   | 0.013    | 1.109   | 1.103     | 1.121     | 81.484%   |           |           |
| σ    |          | 0.008   | 0.004    | 0.052   | 0.047     | 0.021     | 2.282%    |           |           |
| %RSD |          | 456.300 | 29.560   | 4.697   | 4.304     | 1.868     | 2.801     |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na       | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|------------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 23:59:19 | 86.598%  | 0.005    | 54.320   | 58.020    | 0.000     | 154700.000 | 74520.000 | 75150.000 |
| 2    | 00:00:01 | 89.765%  | 0.004    | 55.260   | 56.510    | 0.000     | 150400.000 | 66180.000 | 73060.000 |
| 3    | 00:00:43 | 89.773%  | 0.004    | 58.380   | 55.700    | 0.000     | 151000.000 | 72690.000 | 73680.000 |
| X    |          | 88.712%  | 0.004    | 55.980   | 56.740    | 0.000     | 152000.000 | 71130.000 | 73960.000 |
| σ    |          | 1.831%   | 0.001    | 2.125    | 1.176     | 0.000     | 2340.000   | 4387.000  | 1074.000  |
| %RSD |          | 2.064    | 16.050   | 3.795    | 2.072     | 0.000     | 1.539      | 6.167     | 1.452     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 23:59:19 | 52.750   | 9246.000 | 0.000    | 5472.000  | 67130.000 | 65890.000  | 68.151%   | 13.230    |
| 2    | 00:00:01 | 49.130   | 9137.000 | 0.000    | 5483.000  | 67610.000 | 65960.000  | 69.468%   | 11.250    |
| 3    | 00:00:43 | 50.210   | 9208.000 | 0.000    | 5478.000  | 66080.000 | 66280.000  | 69.748%   | 12.480    |
| X    |          | 50.690   | 9197.000 | 0.000    | 5478.000  | 66940.000 | 66040.000  | 69.122%   | 12.320    |
| σ    |          | 1.858    | 55.580   | 0.000    | 5.671     | 778.700   | 206.000    | 0.853%    | 0.998     |
| %RSD |          | 3.665    | 0.604    | 0.000    | 0.104     | 1.163     | 0.312      | 1.234     | 8.102     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 23:59:19 | -1.094   | 1.182    | 4042.000 | 48660.000 | 49790.000 | 0.319      | 2.577     | 5.790     |
| 2    | 00:00:01 | 0.959    | 1.133    | 4036.000 | 47780.000 | 49600.000 | 0.338      | 2.156     | 6.448     |
| 3    | 00:00:43 | -0.169   | 1.062    | 4049.000 | 47810.000 | 50100.000 | 0.399      | 2.269     | 6.408     |
| X    |          | -0.101   | 1.125    | 4043.000 | 48090.000 | 49830.000 | 0.352      | 2.334     | 6.215     |
| σ    |          | 1.028    | 0.060    | 6.688    | 500.800   | 252.300   | 0.042      | 0.218     | 0.369     |
| %RSD |          | 1019.000 | 5.368    | 0.165    | 1.041     | 0.506     | 11.900     | 9.326     | 5.934     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 23:59:19 | 5.474    | 9.072    | 11.080   | 25.510    | -0.060    | -0.697     | 0.000     | 486.300   |
| 2    | 00:00:01 | 5.836    | 9.928    | 10.740   | 24.870    | -0.591    | -0.887     | 0.000     | 479.800   |
| 3    | 00:00:43 | 6.077    | 9.671    | 9.230    | 26.020    | -0.697    | 0.359      | 0.000     | 489.400   |
| X    |          | 5.796    | 9.557    | 10.350   | 25.470    | -0.449    | -0.409     | 0.000     | 485.200   |
| σ    |          | 0.304    | 0.439    | 0.984    | 0.579     | 0.341     | 0.671      | 0.000     | 4.899     |
| %RSD |          | 5.238    | 4.598    | 9.508    | 2.272     | 75.960    | 164.300    | 0.000     | 1.010     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 23:59:19 | 70.648%  | 0.543    | 0.758    | 68.860%   | -0.006    | 0.022      | 0.018     | -0.097    |
| 2    | 00:00:01 | 73.158%  | 0.783    | 0.808    | 70.940%   | 0.004     | 0.004      | 0.132     | 0.051     |
| 3    | 00:00:43 | 72.204%  | 0.716    | 0.712    | 70.876%   | -0.001    | 0.016      | -0.160    | -0.223    |
| X    |          | 72.003%  | 0.680    | 0.760    | 70.225%   | -0.001    | 0.014      | -0.003    | -0.089    |
| σ    |          | 1.267%   | 0.124    | 0.048    | 1.183%    | 0.005     | 0.009      | 0.147     | 0.137     |
| %RSD |          | 1.760    | 18.210   | 6.289    | 1.684     | 459.700   | 63.910     | 4368.000  | 153.000   |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 23:59:19 | 73.403%  | 3.511    | 0.702    | 0.669     | 209.800   | 208.200    | 81.292%   | 82.568%   |
| 2    | 00:00:01 | 75.072%  | 3.867    | 0.606    | 0.687     | 206.500   | 207.400    | 84.590%   | 84.897%   |
| 3    | 00:00:43 | 76.396%  | 3.893    | 0.620    | 0.714     | 210.100   | 206.000    | 83.448%   | 85.022%   |
| X    |          | 74.957%  | 3.757    | 0.643    | 0.690     | 208.800   | 207.200    | 83.110%   | 84.162%   |
| σ    |          | 1.500%   | 0.213    | 0.052    | 0.022     | 1.978     | 1.127      | 1.675%    | 1.382%    |
| %RSD |          | 2.001    | 5.672    | 8.047    | 3.242     | 0.947     | 0.544      | 2.015     | 1.642     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi      |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb        |           |           |
| 1    | 23:59:19 | 0.003    | 0.012    | 1.772    | 1.834     | 1.759     | 79.349%    |           |           |
| 2    | 00:00:01 | 0.012    | 0.006    | 1.757    | 1.679     | 1.821     | 81.695%    |           |           |
| 3    | 00:00:43 | -0.010   | 0.001    | 1.727    | 1.957     | 1.828     | 82.099%    |           |           |
| X    |          | 0.002    | 0.006    | 1.752    | 1.823     | 1.803     | 81.048%    |           |           |
| σ    |          | 0.011    | 0.005    | 0.023    | 0.139     | 0.038     | 1.485%     |           |           |
| %RSD |          | 614.700  | 89.590   | 1.308    | 7.641     | 2.117     | 1.832      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B       | 13C       | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|----------|----------|-----------|-----------|------------|-----------|-----------|
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:03:37 | 88.869% | 0.004    | 55.510   | 59.250    | 0.000     | 155000.000 | 59600.000 | 66560.000 |
| 2    | 00:04:18 | 90.577% | 0.004    | 64.400   | 56.860    | 0.000     | 154300.000 | 59980.000 | 66250.000 |
| 3    | 00:05:00 | 89.986% | 0.038    | 59.990   | 61.000    | 0.000     | 154100.000 | 60140.000 | 65710.000 |
| X    |          | 89.810% | 0.015    | 59.960   | 59.040    | 0.000     | 154500.000 | 59910.000 | 66170.000 |
| σ    |          | 0.868%  | 0.020    | 4.447    | 2.081     | 0.000     | 464.500    | 277.500   | 430.200   |
| %RSD |          | 0.966   | 128.500  | 7.415    | 3.524     | 0.000     | 0.301      | 0.463     | 0.650     |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:03:37 | 114.900 | 7830.000 | 0.000    | 5062.000  | 66580.000 | 66160.000  | 69.372%   | 6.118     |
| 2    | 00:04:18 | 117.900 | 7858.000 | 0.000    | 5097.000  | 66300.000 | 67000.000  | 69.954%   | 7.397     |
| 3    | 00:05:00 | 95.810  | 7849.000 | 0.000    | 5111.000  | 66870.000 | 67050.000  | 69.990%   | 6.576     |
| X    |          | 109.500 | 7845.000 | 0.000    | 5090.000  | 66580.000 | 66740.000  | 69.772%   | 6.697     |
| σ    |          | 11.970  | 14.470   | 0.000    | 25.200    | 283.000   | 499.200    | 0.346%    | 0.648     |
| %RSD |          | 10.930  | 0.185    | 0.000    | 0.495     | 0.425     | 0.748      | 0.497     | 9.674     |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:03:37 | -0.720  | 0.495    | 1505.000 | 79500.000 | 82870.000 | 1.211      | 0.541     | 11.950    |
| 2    | 00:04:18 | -2.482  | 0.381    | 1519.000 | 79040.000 | 83630.000 | 1.052      | 1.016     | 12.140    |
| 3    | 00:05:00 | -1.909  | 0.569    | 1524.000 | 78450.000 | 83550.000 | 1.076      | 0.523     | 11.780    |
| X    |          | -1.704  | 0.482    | 1516.000 | 79000.000 | 83350.000 | 1.113      | 0.693     | 11.960    |
| σ    |          | 0.899   | 0.095    | 9.735    | 528.000   | 417.300   | 0.085      | 0.280     | 0.178     |
| %RSD |          | 52.770  | 19.730   | 0.642    | 0.668     | 0.501     | 7.676      | 40.320    | 1.487     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:03:37 | 12.030  | 13.880   | 13.740   | 8.610     | -0.523    | 0.303      | 0.000     | 594.400   |
| 2    | 00:04:18 | 11.110  | 13.460   | 14.340   | 6.608     | -0.995    | -0.408     | 0.000     | 602.500   |
| 3    | 00:05:00 | 11.180  | 13.290   | 13.920   | 7.234     | -0.748    | 0.011      | 0.000     | 602.800   |
| X    |          | 11.440  | 13.540   | 14.000   | 7.484     | -0.755    | -0.031     | 0.000     | 599.900   |
| σ    |          | 0.516   | 0.307    | 0.311    | 1.024     | 0.236     | 0.358      | 0.000     | 4.746     |
| %RSD |          | 4.510   | 2.264    | 2.224    | 13.690    | 31.280    | 1135.000   | 0.000     | 0.791     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:03:37 | 71.348% | -0.121   | -0.068   | 70.125%   | 0.004     | 0.004      | 0.146     | -0.045    |
| 2    | 00:04:18 | 72.907% | -0.140   | -0.027   | 71.720%   | 0.004     | 0.015      | -0.171    | -0.199    |
| 3    | 00:05:00 | 73.606% | 0.021    | -0.011   | 72.132%   | 0.004     | 0.004      | -0.002    | -0.063    |
| X    |          | 72.620% | -0.080   | -0.035   | 71.326%   | 0.004     | 0.008      | -0.009    | -0.102    |
| σ    |          | 1.156%  | 0.088    | 0.029    | 1.060%    | 0.000     | 0.006      | 0.158     | 0.084     |
| %RSD |          | 1.592   | 109.500  | 82.200   | 1.486     | 3.922     | 79.350     | 1719.000  | 82.580    |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:03:37 | 75.007% | 3.440    | 0.123    | 0.161     | 194.900   | 196.300    | 81.390%   | 84.322%   |
| 2    | 00:04:18 | 77.283% | 3.662    | 0.195    | 0.142     | 203.800   | 197.400    | 83.941%   | 86.134%   |
| 3    | 00:05:00 | 76.925% | 3.081    | 0.146    | 0.183     | 203.100   | 197.500    | 86.123%   | 86.420%   |
| X    |          | 76.405% | 3.394    | 0.155    | 0.162     | 200.600   | 197.100    | 83.818%   | 85.625%   |
| σ    |          | 1.224%  | 0.293    | 0.037    | 0.021     | 4.931     | 0.681      | 2.369%    | 1.138%    |
| %RSD |          | 1.602   | 8.638    | 23.710   | 12.880    | 2.458     | 0.346      | 2.826     | 1.329     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi      |           |           |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        |           |           |
| 1    | 00:03:37 | -0.000  | 0.006    | 2.089    | 1.971     | 2.025     | 79.712%    |           |           |
| 2    | 00:04:18 | 0.005   | 0.024    | 1.935    | 1.944     | 2.051     | 82.998%    |           |           |
| 3    | 00:05:00 | 0.002   | 0.010    | 1.990    | 2.157     | 2.046     | 83.927%    |           |           |
| X    |          | 0.002   | 0.013    | 2.005    | 2.024     | 2.041     | 82.212%    |           |           |
| σ    |          | 0.003   | 0.009    | 0.078    | 0.116     | 0.014     | 2.215%     |           |           |
| %RSD |          | 111.100 | 68.370   | 3.906    | 5.741     | 0.665     | 2.694      |           |           |

180-17288-A-1-A

12/30/2012 12:07:13 AM

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C        | 23Na       | 25Mg       | 26Mg       |
|------|----------|----------|----------|----------|-----------|------------|------------|------------|------------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb        | ppb        |
| 1    | 00:07:55 | 101.939% | 0.031    | 231.400  | 224.000   | 0.000      | 119900.000 | 119300.000 | 119700.000 |
| 2    | 00:08:36 | 106.318% | -0.031   | 226.800  | 224.800   | 0.000      | 120000.000 | 119300.000 | 119800.000 |
| 3    | 00:09:18 | 105.663% | 0.087    | 241.100  | 229.700   | 0.000      | 121000.000 | 120000.000 | 120500.000 |
| X    |          | 104.640% | 0.029    | 233.100  | 226.200   | 0.000      | 120300.000 | 119500.000 | 120000.000 |
| σ    |          | 2.362%   | 0.059    | 7.274    | 3.076     | 0.000      | 610.500    | 403.000    | 438.400    |
| %RSD |          | 2.257    | 202.800  | 3.121    | 1.360     | 0.000      | 0.508      | 0.337      | 0.365      |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca       | 44Ca       | 45Sc       | 47Ti       |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb        | ppb        |
| 1    | 00:07:55 | 304.100  | 9266.000 | 0.000    | 13910.000 | 113300.000 | 112700.000 | 75.901%    | 12.640     |
| 2    | 00:08:36 | 308.000  | 9413.000 | 0.000    | 13920.000 | 114300.000 | 114400.000 | 78.268%    | 10.660     |
| 3    | 00:09:18 | 311.200  | 9503.000 | 0.000    | 13900.000 | 114200.000 | 113900.000 | 79.367%    | 10.770     |
| X    |          | 307.800  | 9394.000 | 0.000    | 13910.000 | 113900.000 | 113700.000 | 77.845%    | 11.350     |
| σ    |          | 3.522    | 119.400  | 0.000    | 12.240    | 580.000    | 877.100    | 1.771%     | 1.112      |
| %RSD |          | 1.144    | 1.271    | 0.000    | 0.088     | 0.509      | 0.772      | 2.275      | 9.789      |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe       | 59Co       | 60Ni       | 63Cu       |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb        | ppb        |
| 1    | 00:07:55 | -6.902   | 2.543    | 1668.000 | 589.200   | 857.300    | 17.200     | 4.534      | 3.230      |
| 2    | 00:08:36 | -7.174   | 3.276    | 1682.000 | 612.400   | 899.900    | 17.620     | 4.755      | 3.181      |
| 3    | 00:09:18 | -10.360  | 3.194    | 1688.000 | 619.000   | 891.100    | 16.950     | 5.235      | 3.263      |
| X    |          | -8.146   | 3.004    | 1679.000 | 606.900   | 882.800    | 17.260     | 4.841      | 3.225      |
| σ    |          | 1.925    | 0.402    | 10.330   | 15.670    | 22.510     | 0.338      | 0.358      | 0.041      |
| %RSD |          | 23.620   | 13.380   | 0.615    | 2.581     | 2.550      | 1.957      | 7.399      | 1.283      |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se       | 82Se       | 83Kr       | 88Sr       |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb        | ppb        |
| 1    | 00:07:55 | 3.028    | 5.017    | 6.264    | 1.097     | 1.026      | 1.458      | 0.000      | 768.000    |
| 2    | 00:08:36 | 3.330    | 5.410    | 6.107    | -0.274    | 0.338      | 2.887      | 0.000      | 770.300    |
| 3    | 00:09:18 | 2.624    | 4.901    | 5.151    | 0.306     | 1.175      | 1.088      | 0.000      | 776.400    |
| X    |          | 2.994    | 5.109    | 5.841    | 0.377     | 0.846      | 1.811      | 0.000      | 771.600    |
| σ    |          | 0.354    | 0.267    | 0.602    | 0.688     | 0.446      | 0.950      | 0.000      | 4.349      |
| %RSD |          | 11.830   | 5.229    | 10.310   | 182.800   | 52.730     | 52.440     | 0.000      | 0.564      |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag      | 109Ag      | 111Cd      | 114Cd      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb        | ppb        |
| 1    | 00:07:55 | 76.286%  | 0.397    | 0.360    | 73.650%   | 0.004      | -0.007     | 0.083      | -0.090     |
| 2    | 00:08:36 | 79.435%  | 0.562    | 0.522    | 76.360%   | 0.048      | 0.035      | -0.160     | -0.148     |
| 3    | 00:09:18 | 79.657%  | 0.297    | 0.558    | 77.190%   | 0.008      | 0.014      | 0.035      | -0.053     |
| X    |          | 78.459%  | 0.419    | 0.480    | 75.733%   | 0.020      | 0.014      | -0.014     | -0.097     |
| σ    |          | 1.885%   | 0.134    | 0.105    | 1.852%    | 0.024      | 0.021      | 0.129      | 0.048      |
| %RSD |          | 2.403    | 31.990   | 21.960   | 2.445     | 121.800    | 149.700    | 905.400    | 49.670     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba      | 137Ba      | 159Tb      | 165Ho      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        | ppb        | ppb        |
| 1    | 00:07:55 | 79.310%  | 2.974    | 0.105    | 0.151     | 297.000    | 294.600    | 85.795%    | 86.735%    |
| 2    | 00:08:36 | 81.114%  | 4.026    | 0.050    | 0.160     | 296.800    | 296.800    | 88.947%    | 90.263%    |
| 3    | 00:09:18 | 81.377%  | 4.284    | 0.153    | 0.232     | 307.600    | 298.100    | 89.038%    | 90.806%    |
| X    |          | 80.600%  | 3.761    | 0.102    | 0.181     | 300.500    | 296.500    | 87.927%    | 89.268%    |
| σ    |          | 1.125%   | 0.694    | 0.051    | 0.044     | 6.175      | 1.777      | 1.847%     | 2.210%     |
| %RSD |          | 1.396    | 18.450   | 50.300   | 24.580    | 2.055      | 0.599      | 2.100      | 2.476      |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb      | 209Bi      |            |            |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb        | ppb        |            |            |
| 1    | 00:07:55 | 0.030    | 0.059    | 0.477    | 0.411     | 0.466      | 81.412%    |            |            |
| 2    | 00:08:36 | 0.034    | 0.038    | 0.499    | 0.478     | 0.474      | 85.061%    |            |            |
| 3    | 00:09:18 | 0.059    | 0.081    | 0.429    | 0.512     | 0.453      | 86.183%    |            |            |
| X    |          | 0.041    | 0.059    | 0.468    | 0.467     | 0.464      | 84.219%    |            |            |
| σ    |          | 0.016    | 0.021    | 0.036    | 0.051     | 0.010      | 2.495%     |            |            |
| %RSD |          | 38.570   | 35.980   | 7.672    | 10.920    | 2.231      | 2.962      |            |            |

180-17288-A-2-A

12/30/2012 12:11:31 AM

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B       | 13C       | 23Na       | 25Mg       | 26Mg       |
|------|----------|---------|----------|----------|-----------|-----------|------------|------------|------------|
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb        | ppb        |
| 1    | 00:12:13 | 89.701% | -0.031   | 229.800  | 213.100   | 0.000     | 121800.000 | 105400.000 | 105400.000 |
| 2    | 00:12:54 | 92.800% | -0.031   | 219.900  | 213.300   | 0.000     | 120400.000 | 104500.000 | 104300.000 |
| 3    | 00:13:36 | 92.412% | -0.031   | 227.800  | 208.700   | 0.000     | 120600.000 | 104700.000 | 104500.000 |
| X    |          | 91.638% | -0.031   | 225.900  | 211.700   | 0.000     | 120900.000 | 104900.000 | 104800.000 |
| σ    |          | 1.688%  | 0.000    | 5.230    | 2.634     | 0.000     | 772.000    | 485.300    | 610.300    |
| %RSD |          | 1.842   | 0.000    | 2.316    | 1.244     | 0.000     | 0.638      | 0.463      | 0.583      |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca       | 45Sc       | 47Ti       |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb        | ppb        |
| 1    | 00:12:13 | -2.563  | 7277.000 | 0.000    | 13630.000 | 97230.000 | 97210.000  | 70.360%    | 2.422      |
| 2    | 00:12:54 | -2.986  | 7259.000 | 0.000    | 13610.000 | 97650.000 | 98360.000  | 70.325%    | 1.314      |
| 3    | 00:13:36 | -2.869  | 7268.000 | 0.000    | 13610.000 | 98460.000 | 98690.000  | 70.451%    | 1.827      |
| X    |          | -2.806  | 7268.000 | 0.000    | 13610.000 | 97780.000 | 98090.000  | 70.379%    | 1.855      |
| σ    |          | 0.218   | 8.904    | 0.000    | 13.490    | 626.100   | 775.800    | 0.065%     | 0.554      |
| %RSD |          | 7.780   | 0.123    | 0.000    | 0.099     | 0.640     | 0.791      | 0.092      | 29.900     |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co       | 60Ni       | 63Cu       |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb        | ppb        |
| 1    | 00:12:13 | -4.782  | 1.217    | 1033.000 | 13830.000 | 13860.000 | 1.246      | 1.175      | 2.074      |
| 2    | 00:12:54 | -3.388  | 1.023    | 1048.000 | 13860.000 | 14060.000 | 1.164      | 0.967      | 1.865      |
| 3    | 00:13:36 | -5.535  | 0.961    | 1046.000 | 13780.000 | 14070.000 | 1.441      | 1.027      | 2.103      |
| X    |          | -4.568  | 1.067    | 1042.000 | 13820.000 | 14000.000 | 1.284      | 1.056      | 2.014      |
| σ    |          | 1.089   | 0.134    | 8.110    | 40.010    | 117.900   | 0.142      | 0.107      | 0.130      |
| %RSD |          | 23.850  | 12.560   | 0.778    | 0.289     | 0.842     | 11.090     | 10.110     | 6.464      |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se       | 83Kr       | 88Sr       |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb        | ppb        |
| 1    | 00:12:13 | 1.726   | 2.408    | 1.877    | 4.103     | -1.890    | -1.792     | 0.000      | 765.600    |
| 2    | 00:12:54 | 1.877   | 1.703    | 2.909    | 4.728     | -1.379    | -0.672     | 0.000      | 767.200    |
| 3    | 00:13:36 | 1.408   | 1.587    | 2.845    | 3.261     | -1.119    | -0.013     | 0.000      | 767.100    |
| X    |          | 1.670   | 1.900    | 2.544    | 4.030     | -1.463    | -0.826     | 0.000      | 766.600    |
| σ    |          | 0.239   | 0.444    | 0.578    | 0.736     | 0.392     | 0.900      | 0.000      | 0.917      |
| %RSD |          | 14.320  | 23.380   | 22.730   | 18.260    | 26.820    | 108.900    | 0.000      | 0.120      |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag      | 111Cd      | 114Cd      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb        | ppb        |
| 1    | 00:12:13 | 70.335% | 0.253    | 0.145    | 68.630%   | 0.005     | -0.001     | 0.108      | 0.062      |
| 2    | 00:12:54 | 71.908% | 0.332    | 0.211    | 69.947%   | -0.001    | -0.001     | 0.018      | -0.033     |
| 3    | 00:13:36 | 72.345% | 0.073    | 0.134    | 70.396%   | -0.001    | 0.010      | 0.005      | 0.026      |
| X    |          | 71.529% | 0.219    | 0.163    | 69.658%   | 0.001     | 0.003      | 0.044      | 0.018      |
| σ    |          | 1.057%  | 0.133    | 0.042    | 0.918%    | 0.003     | 0.007      | 0.056      | 0.048      |
| %RSD |          | 1.478   | 60.650   | 25.450   | 1.317     | 421.900   | 248.700    | 127.700    | 258.200    |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba      | 159Tb      | 165Ho      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb        | ppb        |
| 1    | 00:12:13 | 72.478% | 3.374    | 0.035    | 0.056     | 184.400   | 184.600    | 79.516%    | 81.003%    |
| 2    | 00:12:54 | 74.901% | 2.975    | 0.045    | 0.061     | 184.400   | 186.200    | 80.761%    | 83.112%    |
| 3    | 00:13:36 | 75.279% | 3.132    | 0.055    | 0.060     | 188.700   | 183.900    | 82.427%    | 83.796%    |
| X    |          | 74.220% | 3.160    | 0.045    | 0.059     | 185.800   | 184.900    | 80.901%    | 82.637%    |
| σ    |          | 1.520%  | 0.201    | 0.010    | 0.002     | 2.444     | 1.192      | 1.461%     | 1.456%     |
| %RSD |          | 2.048   | 6.351    | 22.330   | 4.162     | 1.315     | 0.645      | 1.806      | 1.761      |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi      |            |            |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        |            |            |
| 1    | 00:12:13 | 0.004   | 0.005    | 0.030    | 0.025     | 0.033     | 75.692%    |            |            |
| 2    | 00:12:54 | 0.010   | 0.013    | 0.062    | 0.032     | 0.052     | 79.030%    |            |            |
| 3    | 00:13:36 | 0.000   | 0.010    | 0.031    | 0.062     | 0.049     | 79.577%    |            |            |
| X    |          | 0.005   | 0.009    | 0.041    | 0.039     | 0.045     | 78.100%    |            |            |
| σ    |          | 0.005   | 0.004    | 0.018    | 0.020     | 0.010     | 2.103%     |            |            |
| %RSD |          | 102.700 | 42.900   | 44.800   | 49.550    | 23.100    | 2.692      |            |            |

180-17288-A-3-A 12/30/2012 12:15:50 AM

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B        | 11B      | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|------------|----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb        | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:16:31 | 100.415% | 0.000    | 124.700    | 115.900  | 0.000     | 59620.000 | 56420.000 | 63130.000 |
| 2    | 00:17:13 | 104.295% | -0.031   | 126.400    | 116.400  | 0.000     | 59110.000 | 62670.000 | 63190.000 |
| 3    | 00:17:54 | 106.915% | -0.031   | 116.100    | 114.100  | 0.000     | 58590.000 | 62150.000 | 62540.000 |
| x    |          | 103.875% | -0.020   | 122.400    | 115.500  | 0.000     | 59110.000 | 60410.000 | 62950.000 |
| σ    |          | 3.270%   | 0.018    | 5.514      | 1.170    | 0.000     | 515.800   | 3470.000  | 359.500   |
| %RSD |          | 3.148    | 88.520   | 4.504      | 1.013    | 0.000     | 0.873     | 5.744     | 0.571     |
| Run  | Time     | 27Al     | 28Si     | 37Cl       | 39K      | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb        | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:16:31 | -3.763   | 7647.000 | 0.000      | 3597.000 | 68890.000 | 68560.000 | 74.200%   | 0.965     |
| 2    | 00:17:13 | -38.810  | 7710.000 | 0.000      | 3642.000 | 70570.000 | 69750.000 | 75.653%   | 0.807     |
| 3    | 00:17:54 | -4.153   | 7688.000 | 0.000      | 3609.000 | 70010.000 | 68960.000 | 76.958%   | 1.062     |
| x    |          | -15.580  | 7682.000 | 0.000      | 3616.000 | 69820.000 | 69090.000 | 75.603%   | 0.945     |
| σ    |          | 20.120   | 32.100   | 0.000      | 23.300   | 853.900   | 608.100   | 1.380%    | 0.129     |
| %RSD |          | 129.200  | 0.418    | 0.000      | 0.644    | 1.223     | 0.880     | 1.825     | 13.660    |
| Run  | Time     | 51V      | 52Cr     | 55Mn       | 56Fe     | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb        | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:16:31 | -10.530  | 2.040    | 2143.000   | 42.770   | 138.300   | 3.008     | 2.689     | 1.978     |
| 2    | 00:17:13 | -10.380  | 2.135    | 2167.000   | 36.040   | 118.100   | 3.156     | 2.623     | 1.857     |
| 3    | 00:17:54 | -9.677   | 2.093    | 2167.000   | 35.000   | 127.600   | 3.081     | 2.489     | 1.883     |
| x    |          | -10.200  | 2.090    | 2159.000   | 37.930   | 128.000   | 3.082     | 2.600     | 1.906     |
| σ    |          | 0.457    | 0.048    | 13.600     | 4.219    | 10.080    | 0.074     | 0.102     | 0.064     |
| %RSD |          | 4.479    | 2.281    | 0.630      | 11.120   | 7.874     | 2.395     | 3.924     | 3.340     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn       | 75As     | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb        | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:16:31 | 1.731    | 1.947    | 2.133      | -3.750   | -0.161    | 0.877     | 0.000     | 283.700   |
| 2    | 00:17:13 | 1.917    | 1.658    | 1.848      | 0.661    | 2.532     | 2.775     | 0.000     | 282.900   |
| 3    | 00:17:54 | 1.820    | 1.733    | 1.747      | 0.183    | 1.543     | 2.375     | 0.000     | 285.700   |
| x    |          | 1.823    | 1.779    | 1.909      | -0.968   | 1.305     | 2.009     | 0.000     | 284.100   |
| σ    |          | 0.093    | 0.150    | 0.200      | 2.420    | 1.362     | 1.001     | 0.000     | 1.460     |
| %RSD |          | 5.088    | 8.427    | 10.460     | 250.000  | 104.400   | 49.800    | 0.000     | 0.514     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo       | 103Rh    | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb        | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:16:31 | 71.020%  | -0.124   | -0.183     | 73.481%  | 0.004     | -0.001    | 0.041     | 0.090     |
| 2    | 00:17:13 | 73.034%  | -0.130   | -0.081     | 76.061%  | -0.002    | 0.009     | 0.117     | 0.048     |
| 3    | 00:17:54 | 73.610%  | -0.175   | -0.023     | 77.077%  | 0.003     | -0.007    | 0.215     | 0.216     |
| x    |          | 72.555%  | -0.143   | -0.096     | 75.540%  | 0.002     | 0.000     | 0.124     | 0.118     |
| σ    |          | 1.360%   | 0.028    | 0.081      | 1.854%   | 0.003     | 0.008     | 0.087     | 0.087     |
| %RSD |          | 1.874    | 19.390   | 84.290     | 2.454    | 158.000   | 5190.000  | 70.280    | 73.920    |
| Run  | Time     | 115In    | 118Sn    | 121Sb      | 123Sb    | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb        | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:16:31 | 77.591%  | 2.721    | 0.015      | 0.037    | 32.220    | 32.580    | 84.409%   | 86.096%   |
| 2    | 00:17:13 | 81.401%  | 2.530    | 0.050      | 0.047    | 32.170    | 31.520    | 87.090%   | 88.372%   |
| 3    | 00:17:54 | 82.007%  | 2.650    | 0.054      | 0.046    | 32.220    | 30.950    | 89.010%   | 90.422%   |
| x    |          | 80.333%  | 2.633    | 0.040      | 0.043    | 32.200    | 31.680    | 86.837%   | 88.296%   |
| σ    |          | 2.394%   | 0.097    | 0.021      | 0.006    | 0.031     | 0.829     | 2.311%    | 2.164%    |
| %RSD |          | 2.980    | 3.672    | 53.600     | 13.140   | 0.095     | 2.615     | 2.661     | 2.451     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb      | 207Pb    | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb        | ppb      | ppb       | ppb       |           |           |
| 1    | 00:16:31 | 0.005    | 0.022    | -0.000     | 0.000    | 0.009     | 82.106%   |           |           |
| 2    | 00:17:13 | 0.001    | 0.009    | 0.013      | 0.011    | 0.017     | 85.504%   |           |           |
| 3    | 00:17:54 | -0.002   | 0.018    | -0.012     | -0.013   | 0.001     | 86.519%   |           |           |
| x    |          | 0.002    | 0.017    | -0.000     | -0.001   | 0.009     | 84.710%   |           |           |
| σ    |          | 0.004    | 0.006    | 0.013      | 0.012    | 0.008     | 2.311%    |           |           |
| %RSD |          | 206.100  | 38.320   | 211300.000 | 1847.000 | 84.980    | 2.728     |           |           |



180-17288-A-4-A

12/30/2012 12:20:08 AM

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B      | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:20:50 | 102.002% | -0.000   | 117.700  | 117.700  | 0.000     | 60210.000 | 63700.000 | 64040.000 |
| 2    | 00:21:32 | 102.549% | -0.000   | 120.500  | 120.000  | 0.000     | 60260.000 | 63840.000 | 64370.000 |
| 3    | 00:22:13 | 102.346% | -0.031   | 124.900  | 116.000  | 0.000     | 60320.000 | 63720.000 | 63960.000 |
| X    |          | 102.299% | -0.010   | 121.000  | 117.900  | 0.000     | 60270.000 | 63750.000 | 64120.000 |
| σ    |          | 0.277%   | 0.018    | 3.660    | 1.998    | 0.000     | 55.530    | 71.760    | 220.300   |
| %RSD |          | 0.270    | 171.400  | 3.024    | 1.695    | 0.000     | 0.092     | 0.113     | 0.344     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K      | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:20:50 | -2.619   | 7839.000 | 0.000    | 3610.000 | 70520.000 | 69430.000 | 75.301%   | 1.085     |
| 2    | 00:21:32 | -29.450  | 7940.000 | 0.000    | 3697.000 | 70340.000 | 70030.000 | 75.538%   | 1.355     |
| 3    | 00:22:13 | -1.237   | 7907.000 | 0.000    | 3666.000 | 69440.000 | 69990.000 | 76.155%   | 0.935     |
| X    |          | -11.100  | 7895.000 | 0.000    | 3658.000 | 70100.000 | 69820.000 | 75.665%   | 1.125     |
| σ    |          | 15.900   | 51.090   | 0.000    | 43.840   | 580.000   | 337.200   | 0.441%    | 0.213     |
| %RSD |          | 143.300  | 0.647    | 0.000    | 1.198    | 0.827     | 0.483     | 0.583     | 18.940    |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe     | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:20:50 | -8.605   | 2.172    | 2116.000 | 37.330   | 130.000   | 3.125     | 2.953     | 2.238     |
| 2    | 00:21:32 | -12.780  | 2.331    | 2143.000 | 40.180   | 131.600   | 3.272     | 2.833     | 2.187     |
| 3    | 00:22:13 | -11.010  | 2.246    | 2138.000 | 43.090   | 130.300   | 3.057     | 4.004     | 2.362     |
| X    |          | -10.800  | 2.250    | 2132.000 | 40.200   | 130.700   | 3.152     | 3.263     | 2.262     |
| σ    |          | 2.095    | 0.079    | 14.340   | 2.878    | 0.861     | 0.110     | 0.644     | 0.090     |
| %RSD |          | 19.400   | 3.533    | 0.673    | 7.159    | 0.659     | 3.493     | 19.740    | 3.978     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As     | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:20:50 | 2.033    | 2.146    | 2.321    | -0.400   | 1.621     | 1.231     | 0.000     | 270.500   |
| 2    | 00:21:32 | 1.892    | 2.542    | 1.719    | 0.335    | 0.367     | 0.466     | 0.000     | 271.700   |
| 3    | 00:22:13 | 2.099    | 2.042    | 1.795    | 0.386    | 1.346     | 2.195     | 0.000     | 271.800   |
| X    |          | 2.008    | 2.243    | 1.945    | 0.107    | 1.111     | 1.298     | 0.000     | 271.300   |
| σ    |          | 0.106    | 0.264    | 0.328    | 0.440    | 0.659     | 0.866     | 0.000     | 0.743     |
| %RSD |          | 5.269    | 11.770   | 16.860   | 410.700  | 59.310    | 66.780    | 0.000     | 0.274     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh    | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:20:50 | 75.058%  | -0.001   | -0.008   | 73.680%  | -0.001    | -0.001    | 0.012     | -0.046    |
| 2    | 00:21:32 | 76.763%  | -0.092   | 0.004    | 74.933%  | 0.004     | -0.002    | 0.044     | -0.030    |
| 3    | 00:22:13 | 77.422%  | -0.023   | 0.010    | 75.468%  | 0.019     | 0.014     | -0.030    | -0.050    |
| X    |          | 76.414%  | -0.039   | 0.002    | 74.693%  | 0.007     | 0.004     | 0.009     | -0.042    |
| σ    |          | 1.220%   | 0.047    | 0.009    | 0.918%   | 0.010     | 0.009     | 0.037     | 0.011     |
| %RSD |          | 1.596    | 122.900  | 514.900  | 1.229    | 149.000   | 242.100   | 432.500   | 25.150    |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb    | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:20:50 | 77.416%  | 3.169    | 0.064    | 0.079    | 30.460    | 31.990    | 84.144%   | 85.398%   |
| 2    | 00:21:32 | 78.945%  | 3.293    | 0.063    | 0.083    | 32.750    | 33.850    | 85.337%   | 87.326%   |
| 3    | 00:22:13 | 80.183%  | 3.007    | 0.066    | 0.075    | 34.480    | 32.300    | 86.986%   | 87.617%   |
| X    |          | 78.848%  | 3.156    | 0.064    | 0.079    | 32.560    | 32.710    | 85.489%   | 86.780%   |
| σ    |          | 1.386%   | 0.144    | 0.002    | 0.004    | 2.016     | 0.997     | 1.427%    | 1.206%    |
| %RSD |          | 1.758    | 4.549    | 3.030    | 5.447    | 6.190     | 3.047     | 1.670     | 1.390     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb    | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb      | ppb       | ppb       |           |           |
| 1    | 00:20:50 | -0.003   | 0.021    | 0.007    | 0.030    | 0.022     | 80.948%   |           |           |
| 2    | 00:21:32 | 0.008    | 0.016    | 0.024    | -0.005   | 0.018     | 83.777%   |           |           |
| 3    | 00:22:13 | 0.001    | 0.005    | 0.045    | 0.019    | 0.042     | 85.584%   |           |           |
| X    |          | 0.002    | 0.014    | 0.026    | 0.015    | 0.027     | 83.436%   |           |           |
| σ    |          | 0.006    | 0.008    | 0.019    | 0.018    | 0.013     | 2.337%    |           |           |
| %RSD |          | 285.700  | 59.920   | 73.250   | 118.900  | 47.740    | 2.801     |           |           |

CCV 664806 12/30/2012 12:27:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:27:58 | 77.562%  | 99.460   | 94.160   | 95.280    | 0.000     | 46970.000 | 40670.000 | 40850.000 |
| 2    | 00:28:40 | 80.022%  | 100.400  | 95.170   | 93.180    | 0.000     | 46110.000 | 40500.000 | 40960.000 |
| 3    | 00:29:21 | 78.699%  | 99.820   | 92.230   | 94.830    | 0.000     | 46930.000 | 41430.000 | 41630.000 |
| x    |          | 78.761%  | 99.886%  | 93.855%  | 94.430%   | 0.000     | 93.340%   | 81.730%   | 82.298%   |
| σ    |          | 1.231%   | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 1.563    | 0.467    | 1.595    | 1.170     | 0.000     | 1.039     | 1.209     | 1.030     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:27:58 | 453.200  | 4800.000 | 0.000    | 48340.000 | 48710.000 | 47090.000 | 71.991%   | 95.550    |
| 2    | 00:28:40 | 461.000  | 4805.000 | 0.000    | 47870.000 | 46940.000 | 47440.000 | 73.867%   | 96.420    |
| 3    | 00:29:21 | 465.700  | 4895.000 | 0.000    | 47940.000 | 48420.000 | 47530.000 | 75.071%   | 104.200   |
| x    |          | 91.996%  | 96.670%  | 0.000    | 96.105%   | 96.054%   | 94.705%   | 73.643%   | 98.740%   |
| σ    |          | n/a      | n/a      | 0.000    | n/a       | n/a       | n/a       | 1.553%    | n/a       |
| %RSD |          | 1.376    | 1.108    | 0.000    | 0.528     | 1.975     | 0.486     | 2.108     | 4.848     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:27:58 | 96.260   | 98.780   | 477.900  | 24750.000 | 24220.000 | 100.600   | 103.500   | 100.100   |
| 2    | 00:28:40 | 97.330   | 98.480   | 483.000  | 24550.000 | 24500.000 | 100.900   | 102.500   | 102.700   |
| 3    | 00:29:21 | 100.100  | 98.020   | 482.300  | 24450.000 | 24460.000 | 98.550    | 100.800   | 103.400   |
| x    |          | 97.907%  | 98.430%  | 96.216%  | 98.340%   | 97.583%   | 99.990%   | 102.255%  | 102.070%  |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 2.047    | 0.389    | 0.580    | 0.616     | 0.617     | 1.256     | 1.355     | 1.720     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:27:58 | 99.450   | 99.360   | 99.800   | 98.000    | 87.580    | 102.200   | 0.000     | 97.120    |
| 2    | 00:28:40 | 101.600  | 100.100  | 100.600  | 96.620    | 97.410    | 95.800    | 0.000     | 97.460    |
| 3    | 00:29:21 | 99.610   | 102.600  | 100.500  | 101.900   | 87.200    | 100.300   | 0.000     | 96.630    |
| x    |          | 100.231% | 100.710% | 100.299% | 98.836%   | 90.728%   | 99.459%   | 0.000     | 97.071%   |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 1.211    | 1.697    | 0.432    | 2.760     | 6.382     | 3.327     | 0.000     | 0.429     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:27:58 | 72.481%  | 95.410   | 97.220   | 71.581%   | 97.540    | 97.880    | 95.530    | 96.350    |
| 2    | 00:28:40 | 74.484%  | 98.830   | 101.100  | 74.392%   | 98.650    | 97.140    | 98.180    | 95.550    |
| 3    | 00:29:21 | 76.299%  | 100.100  | 103.200  | 75.663%   | 98.920    | 98.740    | 98.580    | 97.510    |
| x    |          | 74.421%  | 98.122%  | 100.501% | 73.878%   | 98.370%   | 97.916%   | 97.431%   | 96.472%   |
| σ    |          | 1.909%   | n/a      | n/a      | 2.089%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 2.566    | 2.485    | 3.009    | 2.828     | 0.742     | 0.818     | 1.699     | 1.020     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 00:27:58 | 74.207%  | 98.140   | 97.420   | 97.640    | 96.950    | 95.130    | 79.576%   | 79.510%   |
| 2    | 00:28:40 | 77.714%  | 98.360   | 97.400   | 97.750    | 98.200    | 95.920    | 81.475%   | 83.089%   |
| 3    | 00:29:21 | 78.649%  | 99.400   | 98.390   | 97.460    | 98.070    | 98.320    | 82.668%   | 84.175%   |
| x    |          | 76.857%  | 98.635%  | 97.740%  | 97.619%   | 97.741%   | 96.455%   | 81.240%   | 82.258%   |
| σ    |          | 2.342%   | n/a      | n/a      | n/a       | n/a       | n/a       | 1.559%    | 2.441%    |
| %RSD |          | 3.047    | 0.683    | 0.580    | 0.152     | 0.705     | 1.720     | 1.919     | 2.967     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 00:27:58 | 102.100  | 101.000  | 102.200  | 102.300   | 102.600   | 75.956%   |           |           |
| 2    | 00:28:40 | 102.200  | 101.700  | 102.900  | 103.400   | 103.000   | 79.075%   |           |           |
| 3    | 00:29:21 | 102.000  | 101.500  | 102.500  | 102.700   | 102.400   | 80.622%   |           |           |
| x    |          | 102.093% | 101.395% | 102.549% | 102.779%  | 102.672%  | 78.551%   |           |           |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | 2.377%    |           |           |
| %RSD |          | 0.128    | 0.369    | 0.359    | 0.516     | 0.300     | 3.026     |           |           |

CCB9 12/30/2012 12:34:25 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B    | 11B     | 13C      | 23Na    | 25Mg    | 26Mg    |
|------|----------|---------|----------|--------|---------|----------|---------|---------|---------|
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb     | ppb     | ppb     |
| 1    | 00:35:07 | 81.858% | 0.043    | 1.780  | 2.169   | 0.000    | -53.290 | 12.930  | 12.890  |
| 2    | 00:35:48 | 82.689% | -0.031   | 0.430  | 1.441   | 0.000    | -54.780 | 15.430  | 13.160  |
| 3    | 00:36:30 | 82.038% | -0.031   | 1.908  | 1.563   | 0.000    | -51.000 | 14.550  | 14.180  |
| X    |          | 82.195% | -0.006   | 1.373  | 1.724   | 0.000    | -53.030 | 14.300  | 13.410  |
| σ    |          | 0.437%  | 0.043    | 0.819  | 0.390   | 0.000    | 1.903   | 1.269   | 0.680   |
| %RSD |          | 0.532   | 712.600  | 59.650 | 22.620  | 0.000    | 3.589   | 8.875   | 5.070   |
| Run  | Time     | 27Al    | 28Si     | 37Cl   | 39K     | 43Ca     | 44Ca    | 45Sc    | 47Ti    |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb     | ppb     | ppb     |
| 1    | 00:35:07 | -2.830  | 3.091    | 0.000  | -3.550  | 23.110   | 25.410  | 86.552% | 0.153   |
| 2    | 00:35:48 | -2.910  | 2.503    | 0.000  | -3.233  | 49.100   | 26.930  | 86.644% | 0.213   |
| 3    | 00:36:30 | -2.839  | 2.717    | 0.000  | -3.492  | 38.870   | 25.520  | 86.280% | 0.154   |
| X    |          | -2.860  | 2.770    | 0.000  | -3.425  | 37.020   | 25.950  | 86.492% | 0.173   |
| σ    |          | 0.044   | 0.298    | 0.000  | 0.169   | 13.090   | 0.846   | 0.189%  | 0.034   |
| %RSD |          | 1.538   | 10.750   | 0.000  | 4.934   | 35.360   | 3.261   | 0.218   | 19.790  |
| Run  | Time     | 51V     | 52Cr     | 55Mn   | 56Fe    | 57Fe     | 59Co    | 60Ni    | 63Cu    |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb     | ppb     | ppb     |
| 1    | 00:35:07 | 0.116   | -0.020   | 0.198  | 14.550  | 25.470   | 0.006   | 0.090   | 0.325   |
| 2    | 00:35:48 | -0.050  | 0.007    | 0.158  | 9.965   | 22.020   | 0.009   | 0.049   | 0.539   |
| 3    | 00:36:30 | 0.034   | 0.020    | 0.170  | 7.796   | 15.590   | 0.033   | 0.151   | 0.570   |
| X    |          | 0.033   | 0.002    | 0.175  | 10.770  | 21.030   | 0.016   | 0.097   | 0.478   |
| σ    |          | 0.083   | 0.020    | 0.021  | 3.449   | 5.011    | 0.015   | 0.051   | 0.133   |
| %RSD |          | 251.700 | 1066.000 | 11.820 | 32.020  | 23.830   | 91.560  | 52.760  | 27.880  |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn   | 75As    | 78Se     | 82Se    | 83Kr    | 88Sr    |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb     | ppb     | ppb     |
| 1    | 00:35:07 | 0.570   | 0.583    | 0.226  | -0.095  | -0.828   | -0.108  | 0.000   | 0.308   |
| 2    | 00:35:48 | 0.404   | 0.693    | 0.289  | -0.641  | -1.429   | -1.881  | 0.000   | 0.261   |
| 3    | 00:36:30 | 0.323   | 0.535    | 0.420  | -0.576  | -1.547   | -1.325  | 0.000   | 0.352   |
| X    |          | 0.432   | 0.604    | 0.312  | -0.438  | -1.268   | -1.105  | 0.000   | 0.307   |
| σ    |          | 0.126   | 0.081    | 0.099  | 0.298   | 0.386    | 0.907   | 0.000   | 0.045   |
| %RSD |          | 29.050  | 13.360   | 31.680 | 68.130  | 30.410   | 82.070  | 0.000   | 14.820  |
| Run  | Time     | 89Y     | 95Mo     | 98Mo   | 103Rh   | 107Ag    | 109Ag   | 111Cd   | 114Cd   |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb     | ppb     | ppb     |
| 1    | 00:35:07 | 82.356% | 0.150    | 0.136  | 82.962% | 0.021    | 0.023   | 0.102   | 0.043   |
| 2    | 00:35:48 | 82.868% | 0.082    | 0.226  | 83.979% | 0.049    | 0.023   | -0.008  | 0.041   |
| 3    | 00:36:30 | 83.031% | -0.061   | 0.177  | 84.508% | 0.030    | 0.042   | -0.058  | -0.141  |
| X    |          | 82.752% | 0.057    | 0.180  | 83.816% | 0.033    | 0.029   | 0.012   | -0.019  |
| σ    |          | 0.352%  | 0.108    | 0.045  | 0.786%  | 0.014    | 0.011   | 0.082   | 0.106   |
| %RSD |          | 0.425   | 189.700  | 25.090 | 0.937   | 41.630   | 38.000  | 691.000 | 545.200 |
| Run  | Time     | 115In   | 118Sn    | 121Sb  | 123Sb   | 135Ba    | 137Ba   | 159Tb   | 165Ho   |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb     | ppb     | ppb     |
| 1    | 00:35:07 | 82.652% | 0.540    | 0.034  | 0.073   | -0.038   | 0.107   | 84.188% | 84.310% |
| 2    | 00:35:48 | 83.978% | 0.274    | 0.058  | 0.013   | 0.092    | 0.151   | 84.674% | 85.157% |
| 3    | 00:36:30 | 84.303% | 0.470    | 0.078  | 0.006   | -0.040   | 0.179   | 86.463% | 86.852% |
| X    |          | 83.644% | 0.428    | 0.057  | 0.031   | 0.005    | 0.145   | 85.108% | 85.440% |
| σ    |          | 0.875%  | 0.138    | 0.022  | 0.037   | 0.076    | 0.036   | 1.198%  | 1.295%  |
| %RSD |          | 1.046   | 32.250   | 38.970 | 120.400 | 1502.000 | 25.100  | 1.408   | 1.515   |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb  | 207Pb   | 208Pb    | 209Bi   |         |         |
|      |          | ppb     | ppb      | ppb    | ppb     | ppb      | ppb     |         |         |
| 1    | 00:35:07 | 0.040   | 0.071    | 0.046  | 0.044   | 0.047    | 84.869% |         |         |
| 2    | 00:35:48 | 0.031   | 0.052    | 0.031  | 0.019   | 0.036    | 85.602% |         |         |
| 3    | 00:36:30 | 0.039   | 0.038    | 0.037  | 0.031   | 0.033    | 86.161% |         |         |
| X    |          | 0.037   | 0.054    | 0.038  | 0.031   | 0.039    | 85.544% |         |         |
| σ    |          | 0.005   | 0.017    | 0.007  | 0.012   | 0.007    | 0.648%  |         |         |
| %RSD |          | 13.910  | 31.130   | 19.710 | 39.500  | 18.140   | 0.758   |         |         |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be       | 10B      | 11B       | 13C       | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|-----------|----------|-----------|-----------|------------|-----------|-----------|
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:39:24 | 83.287% | -0.031    | 43.310   | 44.310    | 0.000     | 196000.000 | 45960.000 | 46170.000 |
| 2    | 00:40:06 | 83.867% | -0.031    | 48.240   | 43.880    | 0.000     | 194400.000 | 46360.000 | 46670.000 |
| 3    | 00:40:48 | 86.962% | -0.031    | 45.210   | 43.600    | 0.000     | 189400.000 | 45600.000 | 46040.000 |
| X    |          | 84.705% | -0.031    | 45.590   | 43.930    | 0.000     | 193300.000 | 45970.000 | 46290.000 |
| σ    |          | 1.976%  | 0.000     | 2.487    | 0.358     | 0.000     | 3445.000   | 382.000   | 335.700   |
| %RSD |          | 2.332   | 0.000     | 5.456    | 0.816     | 0.000     | 1.782      | 0.831     | 0.725     |
| Run  | Time     | 27Al    | 28Si      | 37Cl     | 39K       | 43Ca      | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:39:24 | -3.330  | 10590.000 | 0.000    | 2166.000  | 52120.000 | 51690.000  | 64.433%   | 2.330     |
| 2    | 00:40:06 | -3.430  | 10620.000 | 0.000    | 2195.000  | 53790.000 | 52370.000  | 65.202%   | 1.901     |
| 3    | 00:40:48 | -3.946  | 10470.000 | 0.000    | 2184.000  | 52690.000 | 51960.000  | 65.945%   | 1.799     |
| X    |          | -3.569  | 10560.000 | 0.000    | 2182.000  | 52870.000 | 52010.000  | 65.193%   | 2.010     |
| σ    |          | 0.331   | 81.920    | 0.000    | 14.870    | 850.900   | 338.100    | 0.756%    | 0.282     |
| %RSD |          | 9.268   | 0.776     | 0.000    | 0.682     | 1.610     | 0.650      | 1.160     | 14.000    |
| Run  | Time     | 51V     | 52Cr      | 55Mn     | 56Fe      | 57Fe      | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:39:24 | -3.616  | 0.512     | 3519.000 | 39850.000 | 39410.000 | 0.124      | 0.851     | 1.721     |
| 2    | 00:40:06 | -3.274  | 0.265     | 3551.000 | 39280.000 | 40030.000 | 0.111      | 0.526     | 1.970     |
| 3    | 00:40:48 | -4.148  | 0.564     | 3548.000 | 38570.000 | 39710.000 | 0.090      | 0.804     | 2.280     |
| X    |          | -3.680  | 0.447     | 3540.000 | 39230.000 | 39710.000 | 0.108      | 0.727     | 1.990     |
| σ    |          | 0.441   | 0.159     | 17.540   | 643.100   | 309.000   | 0.017      | 0.176     | 0.280     |
| %RSD |          | 11.980  | 35.650    | 0.496    | 1.639     | 0.778     | 16.110     | 24.170    | 14.090    |
| Run  | Time     | 65Cu    | 66Zn      | 68Zn     | 75As      | 78Se      | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:39:24 | 1.153   | 1.621     | 1.486    | 6.660     | 1.465     | 1.596      | 0.000     | 525.900   |
| 2    | 00:40:06 | 1.646   | 2.418     | 2.108    | 1.379     | 0.435     | -2.781     | 0.000     | 528.300   |
| 3    | 00:40:48 | 1.999   | 1.912     | 2.512    | 4.672     | -0.954    | -0.575     | 0.000     | 523.700   |
| X    |          | 1.599   | 1.983     | 2.036    | 4.237     | 0.315     | -0.587     | 0.000     | 526.000   |
| σ    |          | 0.425   | 0.404     | 0.517    | 2.667     | 1.214     | 2.188      | 0.000     | 2.283     |
| %RSD |          | 26.560  | 20.350    | 25.380   | 62.950    | 384.900   | 373.100    | 0.000     | 0.434     |
| Run  | Time     | 89Y     | 95Mo      | 98Mo     | 103Rh     | 107Ag     | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:39:24 | 65.102% | 0.233     | 0.429    | 63.312%   | 0.011     | 0.006      | -0.020    | -0.122    |
| 2    | 00:40:06 | 67.212% | 0.151     | 0.226    | 65.499%   | 0.005     | -0.007     | -0.082    | -0.157    |
| 3    | 00:40:48 | 68.859% | -0.081    | 0.147    | 66.742%   | -0.001    | 0.011      | -0.177    | -0.139    |
| X    |          | 67.058% | 0.101     | 0.267    | 65.184%   | 0.005     | 0.003      | -0.093    | -0.139    |
| σ    |          | 1.884%  | 0.163     | 0.145    | 1.736%    | 0.006     | 0.009      | 0.079     | 0.017     |
| %RSD |          | 2.809   | 161.200   | 54.330   | 2.664     | 117.800   | 284.200    | 85.350    | 12.310    |
| Run  | Time     | 115In   | 118Sn     | 121Sb    | 123Sb     | 135Ba     | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:39:24 | 68.286% | 5.975     | 0.020    | 0.054     | 130.100   | 134.400    | 75.012%   | 75.599%   |
| 2    | 00:40:06 | 70.023% | 4.794     | 0.061    | 0.044     | 137.600   | 132.100    | 77.801%   | 78.937%   |
| 3    | 00:40:48 | 71.984% | 4.079     | 0.059    | 0.042     | 133.100   | 132.800    | 78.403%   | 80.740%   |
| X    |          | 70.098% | 4.949     | 0.047    | 0.047     | 133.600   | 133.100    | 77.072%   | 78.425%   |
| σ    |          | 1.850%  | 0.958     | 0.023    | 0.006     | 3.779     | 1.178      | 1.809%    | 2.608%    |
| %RSD |          | 2.639   | 19.350    | 48.960   | 13.630    | 2.828     | 0.885      | 2.347     | 3.326     |
| Run  | Time     | 203Tl   | 205Tl     | 206Pb    | 207Pb     | 208Pb     | 209Bi      |           |           |
|      |          | ppb     | ppb       | ppb      | ppb       | ppb       | ppb        |           |           |
| 1    | 00:39:24 | 0.037   | 0.042     | 0.439    | 0.566     | 0.510     | 71.858%    |           |           |
| 2    | 00:40:06 | 0.024   | 0.029     | 0.476    | 0.367     | 0.419     | 75.681%    |           |           |
| 3    | 00:40:48 | 0.023   | 0.027     | 0.470    | 0.512     | 0.480     | 77.810%    |           |           |
| X    |          | 0.028   | 0.032     | 0.462    | 0.482     | 0.470     | 75.116%    |           |           |
| σ    |          | 0.008   | 0.008     | 0.020    | 0.103     | 0.047     | 3.016%     |           |           |
| %RSD |          | 27.640  | 24.670    | 4.315    | 21.310    | 9.908     | 4.015      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B       | 13C       | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|----------|----------|-----------|-----------|------------|-----------|-----------|
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:43:41 | 83.854% | -0.031   | 99.190   | 96.530    | 0.000     | 112900.000 | 37760.000 | 37970.000 |
| 2    | 00:44:22 | 86.297% | -0.031   | 101.200  | 97.650    | 0.000     | 111000.000 | 37510.000 | 37690.000 |
| 3    | 00:45:04 | 86.113% | 0.005    | 105.300  | 100.300   | 0.000     | 111800.000 | 37930.000 | 38100.000 |
| X    |          | 85.421% | -0.019   | 101.900  | 98.160    | 0.000     | 111900.000 | 37730.000 | 37920.000 |
| σ    |          | 1.361%  | 0.021    | 3.144    | 1.942     | 0.000     | 926.200    | 213.300   | 213.300   |
| %RSD |          | 1.593   | 112.100  | 3.085    | 1.979     | 0.000     | 0.828      | 0.565     | 0.563     |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:43:41 | 3.493   | 5470.000 | 0.000    | 5457.000  | 49840.000 | 50300.000  | 64.997%   | 2.703     |
| 2    | 00:44:22 | 2.452   | 5426.000 | 0.000    | 5449.000  | 50590.000 | 50300.000  | 65.840%   | 2.510     |
| 3    | 00:45:04 | 2.761   | 5455.000 | 0.000    | 5495.000  | 50900.000 | 50440.000  | 66.249%   | 2.651     |
| X    |          | 2.902   | 5450.000 | 0.000    | 5467.000  | 50440.000 | 50350.000  | 65.696%   | 2.621     |
| σ    |          | 0.535   | 22.800   | 0.000    | 24.780    | 545.900   | 84.840     | 0.638%    | 0.100     |
| %RSD |          | 18.420  | 0.418    | 0.000    | 0.453     | 1.082     | 0.169      | 0.972     | 3.804     |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:43:41 | -4.321  | 0.342    | 642.000  | 28080.000 | 28220.000 | 0.230      | 1.213     | 3.738     |
| 2    | 00:44:22 | -3.710  | 0.480    | 647.000  | 27780.000 | 28370.000 | 0.222      | 1.082     | 3.727     |
| 3    | 00:45:04 | -4.767  | 0.521    | 649.000  | 27790.000 | 28650.000 | 0.186      | 0.864     | 3.774     |
| X    |          | -4.266  | 0.448    | 646.000  | 27880.000 | 28410.000 | 0.213      | 1.053     | 3.746     |
| σ    |          | 0.530   | 0.093    | 3.597    | 173.000   | 217.800   | 0.023      | 0.176     | 0.025     |
| %RSD |          | 12.430  | 20.870   | 0.557    | 0.621     | 0.766     | 10.950     | 16.720    | 0.660     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:43:41 | 3.380   | 4.107    | 4.041    | 13.070    | -1.647    | -1.919     | 0.000     | 406.700   |
| 2    | 00:44:22 | 4.005   | 3.625    | 5.009    | 12.670    | -1.243    | -0.997     | 0.000     | 411.000   |
| 3    | 00:45:04 | 3.645   | 3.258    | 4.121    | 14.080    | -0.262    | -1.630     | 0.000     | 414.100   |
| X    |          | 3.676   | 3.663    | 4.390    | 13.270    | -1.051    | -1.515     | 0.000     | 410.600   |
| σ    |          | 0.314   | 0.426    | 0.537    | 0.724     | 0.712     | 0.471      | 0.000     | 3.718     |
| %RSD |          | 8.537   | 11.620   | 12.230   | 5.456     | 67.770    | 31.100     | 0.000     | 0.906     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:43:41 | 68.213% | 0.048    | -0.036   | 66.508%   | 0.005     | 0.005      | -0.057    | -0.013    |
| 2    | 00:44:22 | 68.928% | -0.114   | 0.007    | 68.150%   | -0.001    | -0.001     | -0.095    | -0.076    |
| 3    | 00:45:04 | 69.420% | -0.007   | 0.023    | 68.799%   | 0.004     | -0.001     | -0.011    | -0.074    |
| X    |          | 68.853% | -0.025   | -0.002   | 67.819%   | 0.003     | 0.001      | -0.054    | -0.054    |
| σ    |          | 0.607%  | 0.083    | 0.031    | 1.180%    | 0.003     | 0.004      | 0.042     | 0.036     |
| %RSD |          | 0.881   | 337.100  | 1406.000 | 1.741     | 116.300   | 365.200    | 76.560    | 66.310    |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:43:41 | 71.132% | 3.097    | 0.066    | 0.118     | 259.600   | 260.500    | 78.941%   | 79.454%   |
| 2    | 00:44:22 | 72.871% | 2.668    | 0.116    | 0.181     | 262.800   | 257.800    | 79.787%   | 82.222%   |
| 3    | 00:45:04 | 73.420% | 3.551    | 0.126    | 0.135     | 264.700   | 261.200    | 81.612%   | 82.698%   |
| X    |          | 72.474% | 3.105    | 0.102    | 0.145     | 262.400   | 259.800    | 80.113%   | 81.458%   |
| σ    |          | 1.195%  | 0.441    | 0.032    | 0.033     | 2.557     | 1.768      | 1.365%    | 1.751%    |
| %RSD |          | 1.648   | 14.220   | 31.370   | 22.530    | 0.975     | 0.681      | 1.704     | 2.150     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi      |           |           |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        |           |           |
| 1    | 00:43:41 | 0.020   | 0.004    | 5.460    | 5.666     | 5.440     | 76.484%    |           |           |
| 2    | 00:44:22 | -0.006  | 0.003    | 5.385    | 5.123     | 5.331     | 79.472%    |           |           |
| 3    | 00:45:04 | 0.006   | 0.004    | 4.977    | 5.362     | 5.207     | 80.714%    |           |           |
| X    |          | 0.007   | 0.003    | 5.274    | 5.384     | 5.326     | 78.890%    |           |           |
| σ    |          | 0.013   | 0.001    | 0.260    | 0.272     | 0.116     | 2.174%     |           |           |
| %RSD |          | 197.100 | 15.690   | 4.928    | 5.059     | 2.186     | 2.756      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B      | 13C       | 23Na      | 25Mg     | 26Mg     |
|------|----------|---------|----------|---------|----------|-----------|-----------|----------|----------|
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 00:47:56 | 78.838% | 0.008    | 18.210  | 21.140   | 0.000     | 23410.000 | 7658.000 | 7691.000 |
| 2    | 00:48:38 | 81.465% | -0.031   | 21.070  | 20.580   | 0.000     | 22840.000 | 7576.000 | 7611.000 |
| 3    | 00:49:20 | 81.345% | -0.031   | 18.080  | 19.810   | 0.000     | 22880.000 | 7525.000 | 7593.000 |
| X    |          | 80.549% | -0.018   | 19.120  | 20.510   | 0.000     | 23040.000 | 7587.000 | 7632.000 |
| σ    |          | 1.484%  | 0.022    | 1.690   | 0.672    | 0.000     | 317.500   | 66.850   | 51.910   |
| %RSD |          | 1.842   | 127.400  | 8.839   | 3.275    | 0.000     | 1.378     | 0.881    | 0.680    |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K      | 43Ca      | 44Ca      | 45Sc     | 47Ti     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 00:47:56 | 2.635   | 1144.000 | 0.000   | 1093.000 | 10170.000 | 10220.000 | 69.316%  | 0.586    |
| 2    | 00:48:38 | 0.824   | 1135.000 | 0.000   | 1089.000 | 10240.000 | 10100.000 | 69.989%  | 0.579    |
| 3    | 00:49:20 | 0.494   | 1127.000 | 0.000   | 1089.000 | 10540.000 | 10240.000 | 69.832%  | 0.358    |
| X    |          | 1.318   | 1135.000 | 0.000   | 1090.000 | 10320.000 | 10190.000 | 69.712%  | 0.508    |
| σ    |          | 1.152   | 8.738    | 0.000   | 2.119    | 193.200   | 72.900    | 0.352%   | 0.130    |
| %RSD |          | 87.460  | 0.770    | 0.000   | 0.194    | 1.873     | 0.716     | 0.505    | 25.530   |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe     | 57Fe      | 59Co      | 60Ni     | 63Cu     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 00:47:56 | -0.852  | 0.084    | 131.300 | 4838.000 | 5821.000  | 0.108     | 0.446    | 2.057    |
| 2    | 00:48:38 | -0.280  | 0.047    | 130.000 | 4797.000 | 5747.000  | 0.032     | 0.414    | 2.188    |
| 3    | 00:49:20 | -0.521  | 0.086    | 131.200 | 4789.000 | 5771.000  | 0.051     | 0.315    | 2.483    |
| X    |          | -0.551  | 0.072    | 130.900 | 4808.000 | 5780.000  | 0.063     | 0.392    | 2.243    |
| σ    |          | 0.287   | 0.022    | 0.746   | 25.950   | 37.670    | 0.039     | 0.068    | 0.218    |
| %RSD |          | 52.100  | 30.190   | 0.570   | 0.540    | 0.652     | 62.130    | 17.330   | 9.730    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As     | 78Se      | 82Se      | 83Kr     | 88Sr     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 00:47:56 | 2.294   | 2.656    | 2.690   | 2.949    | 0.305     | -1.772    | 0.000    | 82.630   |
| 2    | 00:48:38 | 1.652   | 1.938    | 1.399   | 1.591    | -1.130    | -1.711    | 0.000    | 82.990   |
| 3    | 00:49:20 | 1.612   | 2.004    | 2.042   | 2.935    | -2.068    | -0.774    | 0.000    | 83.740   |
| X    |          | 1.853   | 2.199    | 2.044   | 2.492    | -0.964    | -1.419    | 0.000    | 83.120   |
| σ    |          | 0.383   | 0.397    | 0.646   | 0.780    | 1.195     | 0.560     | 0.000    | 0.569    |
| %RSD |          | 20.670  | 18.050   | 31.600  | 31.310   | 124.000   | 39.450    | 0.000    | 0.685    |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh    | 107Ag     | 109Ag     | 111Cd    | 114Cd    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 00:47:56 | 71.407% | -0.049   | -0.054  | 72.321%  | 0.020     | 0.021     | -0.051   | -0.040   |
| 2    | 00:48:38 | 72.850% | -0.010   | -0.014  | 73.826%  | 0.024     | 0.021     | 0.069    | -0.013   |
| 3    | 00:49:20 | 72.259% | -0.142   | -0.050  | 74.218%  | 0.009     | 0.004     | 0.031    | -0.056   |
| X    |          | 72.172% | -0.067   | -0.040  | 73.455%  | 0.018     | 0.015     | 0.016    | -0.036   |
| σ    |          | 0.725%  | 0.068    | 0.022   | 1.001%   | 0.008     | 0.010     | 0.061    | 0.022    |
| %RSD |          | 1.005   | 101.200  | 55.260  | 1.363    | 44.910    | 63.710    | 372.000  | 59.630   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb    | 135Ba     | 137Ba     | 159Tb    | 165Ho    |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb      | ppb      |
| 1    | 00:47:56 | 74.335% | 2.639    | 0.074   | 0.047    | 54.980    | 55.120    | 78.714%  | 80.459%  |
| 2    | 00:48:38 | 76.445% | 2.725    | 0.044   | 0.024    | 54.110    | 52.720    | 80.944%  | 81.279%  |
| 3    | 00:49:20 | 76.417% | 2.123    | 0.038   | 0.017    | 52.620    | 51.680    | 81.448%  | 82.123%  |
| X    |          | 75.733% | 2.496    | 0.052   | 0.029    | 53.900    | 53.170    | 80.369%  | 81.287%  |
| σ    |          | 1.210%  | 0.326    | 0.019   | 0.016    | 1.192     | 1.765     | 1.455%   | 0.832%   |
| %RSD |          | 1.598   | 13.050   | 37.170  | 54.470   | 2.211     | 3.319     | 1.810    | 1.023    |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb    | 208Pb     | 209Bi     |          |          |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       |          |          |
| 1    | 00:47:56 | 0.015   | 0.015    | 1.003   | 1.265    | 1.118     | 81.897%   |          |          |
| 2    | 00:48:38 | 0.011   | 0.012    | 1.017   | 1.092    | 1.088     | 85.005%   |          |          |
| 3    | 00:49:20 | -0.002  | -0.000   | 1.122   | 1.104    | 1.114     | 86.914%   |          |          |
| X    |          | 0.008   | 0.009    | 1.047   | 1.154    | 1.107     | 84.605%   |          |          |
| σ    |          | 0.009   | 0.008    | 0.065   | 0.096    | 0.016     | 2.532%    |          |          |
| %RSD |          | 106.100 | 89.220   | 6.219   | 8.324    | 1.478     | 2.993     |          |          |

180-17288-A-6-B MS

12/30/2012 12:51:31 AM

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be       | 10B      | 11B       | 13C        | 23Na       | 25Mg      | 26Mg      |
|------|----------|----------|-----------|----------|-----------|------------|------------|-----------|-----------|
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 00:52:13 | 86.117%  | 50.610    | 1076.000 | 1022.000  | 0.000      | 157900.000 | 87600.000 | 87900.000 |
| 2    | 00:52:54 | 86.665%  | 51.840    | 1072.000 | 1044.000  | 0.000      | 157600.000 | 87880.000 | 87720.000 |
| 3    | 00:53:37 | 88.510%  | 50.950    | 1067.000 | 1029.000  | 0.000      | 156300.000 | 87020.000 | 86990.000 |
| x    |          | 87.097%  | 51.130    | 1072.000 | 1032.000  | 0.000      | 157300.000 | 87500.000 | 87540.000 |
| σ    |          | 1.254%   | 0.635     | 4.571    | 10.900    | 0.000      | 856.200    | 442.000   | 481.400   |
| %RSD |          | 1.439    | 1.241     | 0.427    | 1.057     | 0.000      | 0.544      | 0.505     | 0.550     |
| Run  | Time     | 27Al     | 28Si      | 37Cl     | 39K       | 43Ca       | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 00:52:13 | 1720.000 | 14390.000 | 0.000    | 52630.000 | 100000.000 | 98680.000  | 66.161%   | 955.500   |
| 2    | 00:52:54 | 1717.000 | 14540.000 | 0.000    | 52420.000 | 99730.000  | 99980.000  | 66.980%   | 953.100   |
| 3    | 00:53:37 | 1715.000 | 14450.000 | 0.000    | 52160.000 | 99630.000  | 99860.000  | 67.261%   | 944.300   |
| x    |          | 1717.000 | 14460.000 | 0.000    | 52400.000 | 99790.000  | 99510.000  | 66.801%   | 951.000   |
| σ    |          | 2.456    | 72.340    | 0.000    | 237.200   | 186.500    | 717.200    | 0.571%    | 5.904     |
| %RSD |          | 0.143    | 0.500     | 0.000    | 0.453     | 0.187      | 0.721      | 0.855     | 0.621     |
| Run  | Time     | 51V      | 52Cr      | 55Mn     | 56Fe      | 57Fe       | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 00:52:13 | 477.300  | 194.100   | 1136.000 | 29380.000 | 29970.000  | 472.400    | 473.100   | 231.900   |
| 2    | 00:52:54 | 479.300  | 196.200   | 1145.000 | 29030.000 | 29960.000  | 472.100    | 467.800   | 233.900   |
| 3    | 00:53:37 | 476.400  | 195.500   | 1147.000 | 28900.000 | 30120.000  | 474.900    | 474.400   | 231.500   |
| x    |          | 477.600  | 195.300   | 1143.000 | 29100.000 | 30010.000  | 473.100    | 471.800   | 232.400   |
| σ    |          | 1.473    | 1.061     | 6.112    | 249.400   | 89.930     | 1.532      | 3.481     | 1.322     |
| %RSD |          | 0.308    | 0.543     | 0.535    | 0.857     | 0.300      | 0.324      | 0.738     | 0.569     |
| Run  | Time     | 65Cu     | 66Zn      | 68Zn     | 75As      | 78Se       | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 00:52:13 | 230.100  | 479.900   | 474.600  | 48.060    | 6.425      | 9.026      | 0.000     | 1366.000  |
| 2    | 00:52:54 | 228.200  | 468.800   | 479.900  | 45.680    | 6.557      | 10.210     | 0.000     | 1357.000  |
| 3    | 00:53:37 | 231.200  | 478.700   | 489.300  | 48.760    | 9.545      | 8.325      | 0.000     | 1379.000  |
| x    |          | 229.800  | 475.800   | 481.300  | 47.500    | 7.509      | 9.186      | 0.000     | 1367.000  |
| σ    |          | 1.506    | 6.105     | 7.452    | 1.616     | 1.764      | 0.951      | 0.000     | 10.930    |
| %RSD |          | 0.655    | 1.283     | 1.548    | 3.402     | 23.500     | 10.360     | 0.000     | 0.799     |
| Run  | Time     | 89Y      | 95Mo      | 98Mo     | 103Rh     | 107Ag      | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 00:52:13 | 68.423%  | 999.900   | 1006.000 | 65.975%   | 48.150     | 47.560     | 48.820    | 39.710    |
| 2    | 00:52:54 | 70.743%  | 999.400   | 1017.000 | 67.673%   | 48.500     | 47.340     | 46.680    | 39.850    |
| 3    | 00:53:37 | 70.372%  | 1021.000  | 1032.000 | 67.729%   | 49.560     | 48.120     | 49.470    | 40.520    |
| x    |          | 69.846%  | 1007.000  | 1018.000 | 67.126%   | 48.730     | 47.670     | 48.320    | 40.030    |
| σ    |          | 1.246%   | 12.350    | 12.820   | 0.997%    | 0.734      | 0.400      | 1.461     | 0.433     |
| %RSD |          | 1.784    | 1.227     | 1.259    | 1.485     | 1.506      | 0.839      | 3.023     | 1.083     |
| Run  | Time     | 115In    | 118Sn     | 121Sb    | 123Sb     | 135Ba      | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        | ppb       | ppb       |
| 1    | 00:52:13 | 70.824%  | 1938.000  | 487.500  | 484.600   | 2168.000   | 2161.000   | 77.076%   | 80.302%   |
| 2    | 00:52:54 | 72.888%  | 1941.000  | 483.900  | 489.500   | 2155.000   | 2137.000   | 81.595%   | 82.652%   |
| 3    | 00:53:37 | 72.845%  | 1986.000  | 496.400  | 492.100   | 2183.000   | 2164.000   | 82.419%   | 83.790%   |
| x    |          | 72.186%  | 1955.000  | 489.300  | 488.700   | 2169.000   | 2154.000   | 80.364%   | 82.248%   |
| σ    |          | 1.179%   | 26.490    | 6.409    | 3.768     | 14.010     | 14.590     | 2.877%    | 1.779%    |
| %RSD |          | 1.634    | 1.355     | 1.310    | 0.771     | 0.646      | 0.678      | 3.579     | 2.163     |
| Run  | Time     | 203Tl    | 205Tl     | 206Pb    | 207Pb     | 208Pb      | 209Bi      |           |           |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb        | ppb        |           |           |
| 1    | 00:52:13 | 48.530   | 47.530    | 25.940   | 25.940    | 25.840     | 77.507%    |           |           |
| 2    | 00:52:54 | 47.430   | 47.180    | 25.370   | 25.260    | 25.490     | 82.161%    |           |           |
| 3    | 00:53:37 | 49.170   | 48.450    | 26.960   | 25.880    | 26.460     | 81.216%    |           |           |
| x    |          | 48.370   | 47.720    | 26.090   | 25.690    | 25.930     | 80.295%    |           |           |
| σ    |          | 0.879    | 0.655     | 0.805    | 0.380     | 0.489      | 2.460%     |           |           |
| %RSD |          | 1.818    | 1.373     | 3.085    | 1.478     | 1.884      | 3.064      |           |           |

## 180-17288-A-6-C MSD

12/30/2012 12:55:48 AM

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be       | 10B      | 11B       | 13C       | 23Na       | 25Mg      | 26Mg      |
|------|----------|----------|-----------|----------|-----------|-----------|------------|-----------|-----------|
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:56:30 | 85.843%  | 50.580    | 1090.000 | 1024.000  | 0.000     | 154400.000 | 86290.000 | 86540.000 |
| 2    | 00:57:12 | 86.770%  | 52.490    | 1080.000 | 1029.000  | 0.000     | 152800.000 | 85510.000 | 85820.000 |
| 3    | 00:57:53 | 87.392%  | 51.870    | 1081.000 | 1026.000  | 0.000     | 151700.000 | 85030.000 | 85000.000 |
| X    |          | 86.669%  | 51.650    | 1083.000 | 1026.000  | 0.000     | 153000.000 | 85610.000 | 85790.000 |
| σ    |          | 0.779%   | 0.977     | 5.606    | 2.881     | 0.000     | 1367.000   | 631.900   | 772.900   |
| %RSD |          | 0.899    | 1.892     | 0.518    | 0.281     | 0.000     | 0.894      | 0.738     | 0.901     |
| Run  | Time     | 27Al     | 28Si      | 37Cl     | 39K       | 43Ca      | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:56:30 | 1691.000 | 14460.000 | 0.000    | 51750.000 | 97300.000 | 96310.000  | 67.090%   | 936.800   |
| 2    | 00:57:12 | 1697.000 | 14480.000 | 0.000    | 51440.000 | 97830.000 | 96770.000  | 67.995%   | 958.600   |
| 3    | 00:57:53 | 1688.000 | 14410.000 | 0.000    | 50970.000 | 96160.000 | 96770.000  | 68.008%   | 941.300   |
| X    |          | 1692.000 | 14450.000 | 0.000    | 51390.000 | 97100.000 | 96620.000  | 67.698%   | 945.600   |
| σ    |          | 4.780    | 36.290    | 0.000    | 392.600   | 851.200   | 267.100    | 0.526%    | 11.510    |
| %RSD |          | 0.283    | 0.251     | 0.000    | 0.764     | 0.877     | 0.276      | 0.777     | 1.218     |
| Run  | Time     | 51V      | 52Cr      | 55Mn     | 56Fe      | 57Fe      | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:56:30 | 468.200  | 192.900   | 1099.000 | 28250.000 | 28830.000 | 473.000    | 465.000   | 231.200   |
| 2    | 00:57:12 | 475.600  | 190.700   | 1101.000 | 27930.000 | 29120.000 | 474.200    | 463.900   | 234.700   |
| 3    | 00:57:53 | 472.600  | 192.000   | 1107.000 | 27890.000 | 28930.000 | 472.300    | 471.500   | 228.600   |
| X    |          | 472.100  | 191.900   | 1102.000 | 28020.000 | 28960.000 | 473.200    | 466.800   | 231.500   |
| σ    |          | 3.727    | 1.130     | 4.528    | 194.500   | 148.300   | 0.931      | 4.088     | 3.032     |
| %RSD |          | 0.789    | 0.589     | 0.411    | 0.694     | 0.512     | 0.197      | 0.876     | 1.310     |
| Run  | Time     | 65Cu     | 66Zn      | 68Zn     | 75As      | 78Se      | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:56:30 | 234.600  | 461.800   | 464.000  | 47.810    | 7.238     | 12.070     | 0.000     | 1346.000  |
| 2    | 00:57:12 | 233.000  | 469.900   | 466.900  | 49.240    | 9.140     | 7.026      | 0.000     | 1341.000  |
| 3    | 00:57:53 | 232.300  | 464.900   | 460.800  | 51.080    | 7.844     | 7.043      | 0.000     | 1338.000  |
| X    |          | 233.300  | 465.500   | 463.900  | 49.380    | 8.074     | 8.713      | 0.000     | 1342.000  |
| σ    |          | 1.182    | 4.094     | 3.066    | 1.641     | 0.972     | 2.908      | 0.000     | 3.764     |
| %RSD |          | 0.507    | 0.880     | 0.661    | 3.324     | 12.040    | 33.370     | 0.000     | 0.281     |
| Run  | Time     | 89Y      | 95Mo      | 98Mo     | 103Rh     | 107Ag     | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:56:30 | 68.530%  | 996.400   | 1004.000 | 66.549%   | 47.990    | 46.600     | 46.800    | 39.500    |
| 2    | 00:57:12 | 69.978%  | 1006.000  | 1021.000 | 67.809%   | 47.370    | 47.210     | 44.870    | 37.290    |
| 3    | 00:57:53 | 70.189%  | 1001.000  | 1016.000 | 68.288%   | 46.430    | 48.040     | 46.470    | 39.130    |
| X    |          | 69.566%  | 1001.000  | 1014.000 | 67.549%   | 47.260    | 47.280     | 46.050    | 38.640    |
| σ    |          | 0.903%   | 4.735     | 8.490    | 0.898%    | 0.786     | 0.724      | 1.031     | 1.186     |
| %RSD |          | 1.298    | 0.473     | 0.838    | 1.330     | 1.663     | 1.531      | 2.239     | 3.069     |
| Run  | Time     | 115In    | 118Sn     | 121Sb    | 123Sb     | 135Ba     | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 00:56:30 | 71.370%  | 1925.000  | 479.000  | 478.100   | 2130.000  | 2111.000   | 79.606%   | 80.982%   |
| 2    | 00:57:12 | 72.979%  | 1934.000  | 480.400  | 478.300   | 2118.000  | 2097.000   | 81.833%   | 83.384%   |
| 3    | 00:57:53 | 72.941%  | 1932.000  | 482.100  | 483.800   | 2146.000  | 2116.000   | 81.453%   | 83.275%   |
| X    |          | 72.430%  | 1930.000  | 480.500  | 480.100   | 2132.000  | 2108.000   | 80.964%   | 82.547%   |
| σ    |          | 0.918%   | 4.535     | 1.595    | 3.221     | 14.070    | 9.915      | 1.191%    | 1.357%    |
| %RSD |          | 1.267    | 0.235     | 0.332    | 0.671     | 0.660     | 0.470      | 1.471     | 1.643     |
| Run  | Time     | 203Tl    | 205Tl     | 206Pb    | 207Pb     | 208Pb     | 209Bi      |           |           |
|      |          | ppb      | ppb       | ppb      | ppb       | ppb       | ppb        |           |           |
| 1    | 00:56:30 | 48.600   | 47.880    | 25.400   | 25.030    | 25.250    | 77.646%    |           |           |
| 2    | 00:57:12 | 49.020   | 47.250    | 25.310   | 25.460    | 25.380    | 80.977%    |           |           |
| 3    | 00:57:53 | 48.980   | 48.390    | 25.320   | 25.510    | 25.320    | 80.591%    |           |           |
| X    |          | 48.870   | 47.840    | 25.340   | 25.330    | 25.320    | 79.738%    |           |           |
| σ    |          | 0.235    | 0.569     | 0.053    | 0.266     | 0.061     | 1.822%     |           |           |
| %RSD |          | 0.482    | 1.190     | 0.208    | 1.048     | 0.241     | 2.285      |           |           |



180-17288-A-7-A

12/30/2012 1:00:05 AM

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B      | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|---------|----------|---------|----------|-----------|-----------|-----------|-----------|
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:00:47 | 86.571% | 0.005    | 61.210  | 63.450   | 0.000     | 15300.000 | 15700.000 | 15710.000 |
| 2    | 01:01:28 | 87.795% | 0.040    | 68.720  | 62.130   | 0.000     | 15400.000 | 15890.000 | 15940.000 |
| 3    | 01:02:10 | 90.677% | -0.031   | 60.590  | 58.690   | 0.000     | 15080.000 | 15660.000 | 15680.000 |
| X    |          | 88.348% | 0.005    | 63.510  | 61.420   | 0.000     | 15260.000 | 15750.000 | 15780.000 |
| σ    |          | 2.108%  | 0.035    | 4.524   | 2.458    | 0.000     | 163.100   | 119.600   | 144.500   |
| %RSD |          | 2.386   | 711.500  | 7.124   | 4.002    | 0.000     | 1.069     | 0.760     | 0.916     |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K      | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:00:47 | 55.960  | 6120.000 | 0.000   | 5277.000 | 64410.000 | 62920.000 | 66.302%   | 7.266     |
| 2    | 01:01:28 | 56.080  | 6221.000 | 0.000   | 5357.000 | 63530.000 | 64390.000 | 66.475%   | 5.995     |
| 3    | 01:02:10 | 52.780  | 6114.000 | 0.000   | 5300.000 | 64500.000 | 63560.000 | 66.775%   | 5.654     |
| X    |          | 54.940  | 6152.000 | 0.000   | 5311.000 | 64150.000 | 63620.000 | 66.517%   | 6.305     |
| σ    |          | 1.872   | 60.340   | 0.000   | 40.910   | 531.900   | 738.300   | 0.239%    | 0.849     |
| %RSD |          | 3.407   | 0.981    | 0.000   | 0.770    | 0.829     | 1.160     | 0.360     | 13.470    |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe     | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:00:47 | 1.063   | 1.333    | 311.600 | 2433.000 | 3071.000  | 0.524     | 1.438     | 3.748     |
| 2    | 01:01:28 | -0.539  | 1.477    | 316.000 | 2451.000 | 3108.000  | 0.322     | 1.663     | 4.556     |
| 3    | 01:02:10 | -2.704  | 1.272    | 313.400 | 2428.000 | 3044.000  | 0.266     | 1.359     | 4.159     |
| X    |          | -0.727  | 1.361    | 313.700 | 2437.000 | 3074.000  | 0.371     | 1.487     | 4.154     |
| σ    |          | 1.891   | 0.106    | 2.187   | 12.170   | 32.310    | 0.136     | 0.158     | 0.404     |
| %RSD |          | 260.200 | 7.750    | 0.697   | 0.499    | 1.051     | 36.680    | 10.620    | 9.728     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As     | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:00:47 | 4.184   | 3.625    | 3.378   | -1.007   | -1.519    | -1.695    | 0.000     | 353.200   |
| 2    | 01:01:28 | 3.892   | 3.704    | 3.815   | 0.413    | -0.408    | -1.291    | 0.000     | 360.400   |
| 3    | 01:02:10 | 3.930   | 2.796    | 3.533   | 3.258    | -2.004    | -1.985    | 0.000     | 354.300   |
| X    |          | 4.002   | 3.375    | 3.576   | 0.888    | -1.311    | -1.657    | 0.000     | 356.000   |
| σ    |          | 0.159   | 0.503    | 0.221   | 2.172    | 0.818     | 0.348     | 0.000     | 3.888     |
| %RSD |          | 3.962   | 14.910   | 6.188   | 244.600  | 62.430    | 21.030    | 0.000     | 1.092     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh    | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:00:47 | 68.360% | 5.416    | 5.212   | 67.880%  | 0.027     | 0.034     | 0.157     | 0.048     |
| 2    | 01:01:28 | 69.414% | 3.099    | 3.284   | 69.490%  | 0.010     | 0.010     | -0.086    | -0.137    |
| 3    | 01:02:10 | 70.453% | 2.483    | 2.103   | 69.713%  | 0.004     | 0.005     | 0.008     | -0.132    |
| X    |          | 69.409% | 3.666    | 3.533   | 69.028%  | 0.014     | 0.016     | 0.026     | -0.073    |
| σ    |          | 1.046%  | 1.546    | 1.569   | 1.000%   | 0.012     | 0.016     | 0.122     | 0.105     |
| %RSD |          | 1.508   | 42.180   | 44.420  | 1.449    | 85.690    | 95.810    | 462.200   | 143.400   |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb    | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:00:47 | 72.944% | 11.030   | 0.444   | 0.477    | 55.500    | 54.080    | 78.758%   | 79.081%   |
| 2    | 01:01:28 | 73.489% | 7.757    | 0.320   | 0.290    | 55.990    | 56.500    | 80.192%   | 81.514%   |
| 3    | 01:02:10 | 74.572% | 6.816    | 0.259   | 0.220    | 55.730    | 55.380    | 81.144%   | 82.525%   |
| X    |          | 73.668% | 8.533    | 0.341   | 0.329    | 55.740    | 55.320    | 80.031%   | 81.040%   |
| σ    |          | 0.829%  | 2.209    | 0.094   | 0.133    | 0.246     | 1.211     | 1.201%    | 1.770%    |
| %RSD |          | 1.125   | 25.890   | 27.670  | 40.460   | 0.441     | 2.189     | 1.501     | 2.184     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb    | 208Pb     | 209Bi     |           |           |
|      |          | ppb     | ppb      | ppb     | ppb      | ppb       | ppb       |           |           |
| 1    | 01:00:47 | 0.569   | 0.571    | 0.244   | 0.268    | 0.300     | 79.125%   |           |           |
| 2    | 01:01:28 | 0.424   | 0.369    | 0.298   | 0.280    | 0.309     | 81.777%   |           |           |
| 3    | 01:02:10 | 0.305   | 0.265    | 0.259   | 0.331    | 0.289     | 83.485%   |           |           |
| X    |          | 0.433   | 0.402    | 0.267   | 0.293    | 0.299     | 81.462%   |           |           |
| σ    |          | 0.132   | 0.156    | 0.028   | 0.034    | 0.010     | 2.197%    |           |           |
| %RSD |          | 30.530  | 38.840   | 10.580  | 11.560   | 3.267     | 2.697     |           |           |

180-17288-A-8-A 12/30/2012 1:04:23 AM

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B      | 11B       | 13C       | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|----------|----------|-----------|-----------|------------|-----------|-----------|
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:05:05 | 82.624% | 0.120    | 91.370   | 84.020    | 0.000     | 129000.000 | 19530.000 | 19700.000 |
| 2    | 01:05:46 | 83.376% | 0.007    | 92.500   | 86.850    | 0.000     | 128000.000 | 19630.000 | 19720.000 |
| 3    | 01:06:28 | 84.977% | 0.079    | 90.740   | 85.710    | 0.000     | 127700.000 | 19580.000 | 19730.000 |
| X    |          | 83.659% | 0.069    | 91.540   | 85.530    | 0.000     | 128200.000 | 19580.000 | 19720.000 |
| σ    |          | 1.201%  | 0.057    | 0.894    | 1.421     | 0.000     | 690.700    | 50.480    | 18.040    |
| %RSD |          | 1.436   | 83.580   | 0.976    | 1.661     | 0.000     | 0.539      | 0.258     | 0.092     |
| Run  | Time     | 27Al    | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:05:05 | 22.480  | 8233.000 | 0.000    | 15230.000 | 75280.000 | 75440.000  | 63.994%   | 4.937     |
| 2    | 01:05:46 | 22.260  | 8260.000 | 0.000    | 15220.000 | 76750.000 | 75960.000  | 64.254%   | 4.915     |
| 3    | 01:06:28 | 23.300  | 8276.000 | 0.000    | 15200.000 | 77340.000 | 76680.000  | 64.060%   | 5.171     |
| X    |          | 22.680  | 8256.000 | 0.000    | 15220.000 | 76460.000 | 76030.000  | 64.103%   | 5.008     |
| σ    |          | 0.550   | 22.000   | 0.000    | 16.190    | 1060.000  | 621.400    | 0.135%    | 0.142     |
| %RSD |          | 2.425   | 0.266    | 0.000    | 0.106     | 1.387     | 0.817      | 0.211     | 2.834     |
| Run  | Time     | 51V     | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:05:05 | 0.092   | 1.187    | 5140.000 | 11240.000 | 11280.000 | 0.185      | 1.466     | 2.118     |
| 2    | 01:05:46 | 0.264   | 1.426    | 5190.000 | 11140.000 | 11450.000 | 0.334      | 0.936     | 2.672     |
| 3    | 01:06:28 | -0.815  | 1.266    | 5233.000 | 11180.000 | 11510.000 | 0.279      | 1.198     | 2.699     |
| X    |          | -0.153  | 1.293    | 5187.000 | 11180.000 | 11420.000 | 0.266      | 1.200     | 2.496     |
| σ    |          | 0.579   | 0.122    | 46.660   | 48.740    | 120.000   | 0.075      | 0.265     | 0.328     |
| %RSD |          | 378.500 | 9.431    | 0.900    | 0.436     | 1.051     | 28.340     | 22.090    | 13.140    |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:05:05 | 2.322   | 6.022    | 7.333    | 8.908     | -1.874    | 0.515      | 0.000     | 780.400   |
| 2    | 01:05:46 | 2.800   | 6.870    | 7.468    | 8.276     | -2.789    | -0.804     | 0.000     | 786.100   |
| 3    | 01:06:28 | 2.563   | 5.903    | 6.849    | 7.434     | -0.430    | -0.763     | 0.000     | 786.800   |
| X    |          | 2.561   | 6.265    | 7.217    | 8.206     | -1.697    | -0.351     | 0.000     | 784.400   |
| σ    |          | 0.239   | 0.528    | 0.325    | 0.739     | 1.189     | 0.750      | 0.000     | 3.482     |
| %RSD |          | 9.329   | 8.419    | 4.510    | 9.010     | 70.060    | 213.900    | 0.000     | 0.444     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:05:05 | 65.963% | 0.737    | 0.837    | 64.021%   | 0.017     | 0.006      | 0.023     | -0.092    |
| 2    | 01:05:46 | 66.979% | 0.767    | 0.904    | 65.466%   | 0.011     | 0.005      | -0.096    | -0.232    |
| 3    | 01:06:28 | 67.219% | 0.538    | 0.664    | 65.469%   | 0.005     | 0.005      | -0.100    | -0.027    |
| X    |          | 66.720% | 0.681    | 0.801    | 64.985%   | 0.011     | 0.005      | -0.058    | -0.117    |
| σ    |          | 0.667%  | 0.124    | 0.124    | 0.835%    | 0.006     | 0.000      | 0.070     | 0.104     |
| %RSD |          | 0.999   | 18.250   | 15.460   | 1.285     | 55.150    | 3.262      | 121.000   | 89.120    |
| Run  | Time     | 115In   | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:05:05 | 68.898% | 4.933    | 0.275    | 0.232     | 179.300   | 175.600    | 76.125%   | 77.221%   |
| 2    | 01:05:46 | 69.961% | 5.282    | 0.223    | 0.251     | 181.700   | 179.400    | 77.754%   | 79.862%   |
| 3    | 01:06:28 | 71.245% | 4.808    | 0.254    | 0.201     | 180.300   | 177.900    | 78.985%   | 79.900%   |
| X    |          | 70.035% | 5.008    | 0.251    | 0.228     | 180.400   | 177.700    | 77.621%   | 78.994%   |
| σ    |          | 1.175%  | 0.246    | 0.026    | 0.025     | 1.214     | 1.904      | 1.435%    | 1.536%    |
| %RSD |          | 1.678   | 4.906    | 10.550   | 11.120    | 0.673     | 1.072      | 1.849     | 1.944     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi      |           |           |
|      |          | ppb     | ppb      | ppb      | ppb       | ppb       | ppb        |           |           |
| 1    | 01:05:05 | 0.194   | 0.214    | 0.502    | 0.663     | 0.568     | 74.837%    |           |           |
| 2    | 01:05:46 | 0.172   | 0.156    | 0.562    | 0.454     | 0.526     | 77.068%    |           |           |
| 3    | 01:06:28 | 0.176   | 0.144    | 0.550    | 0.479     | 0.517     | 78.191%    |           |           |
| X    |          | 0.181   | 0.171    | 0.538    | 0.532     | 0.537     | 76.699%    |           |           |
| σ    |          | 0.012   | 0.037    | 0.032    | 0.114     | 0.028     | 1.707%     |           |           |
| %RSD |          | 6.654   | 21.740   | 5.861    | 21.410    | 5.138     | 2.226      |           |           |

180-17288-A-9-A 12/30/2012 1:08:41 AM

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be      | 10B     | 11B       | 13C       | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|----------|---------|-----------|-----------|------------|-----------|-----------|
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:09:23 | 83.211% | -0.031   | 45.880  | 45.080    | 0.000     | 202200.000 | 50020.000 | 50410.000 |
| 2    | 01:10:04 | 82.763% | 0.007    | 46.610  | 46.830    | 0.000     | 203000.000 | 51020.000 | 51330.000 |
| 3    | 01:10:46 | 85.376% | 0.079    | 50.320  | 44.480    | 0.000     | 200000.000 | 50510.000 | 50940.000 |
| X    |          | 83.783% | 0.018    | 47.600  | 45.460    | 0.000     | 201700.000 | 50520.000 | 50890.000 |
| σ    |          | 1.398%  | 0.055    | 2.383   | 1.221     | 0.000     | 1559.000   | 498.200   | 463.200   |
| %RSD |          | 1.668   | 304.100  | 5.005   | 2.686     | 0.000     | 0.773      | 0.986     | 0.910     |
| Run  | Time     | 27Al    | 28Si     | 37Cl    | 39K       | 43Ca      | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:09:23 | 154.600 | 9649.000 | 0.000   | 4035.000  | 64900.000 | 65760.000  | 65.059%   | 12.180    |
| 2    | 01:10:04 | 156.700 | 9771.000 | 0.000   | 4094.000  | 66340.000 | 66160.000  | 65.492%   | 11.070    |
| 3    | 01:10:46 | 152.600 | 9631.000 | 0.000   | 4098.000  | 67410.000 | 66410.000  | 66.083%   | 10.890    |
| X    |          | 154.600 | 9684.000 | 0.000   | 4076.000  | 66220.000 | 66110.000  | 65.545%   | 11.380    |
| σ    |          | 2.036   | 76.170   | 0.000   | 35.620    | 1256.000  | 326.000    | 0.514%    | 0.701     |
| %RSD |          | 1.317   | 0.787    | 0.000   | 0.874     | 1.897     | 0.493      | 0.785     | 6.160     |
| Run  | Time     | 51V     | 52Cr     | 55Mn    | 56Fe      | 57Fe      | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:09:23 | -2.458  | 0.549    | 436.700 | 48310.000 | 49060.000 | 0.384      | 0.920     | 3.087     |
| 2    | 01:10:04 | -2.581  | 0.690    | 442.700 | 48120.000 | 49720.000 | 0.312      | 0.584     | 3.179     |
| 3    | 01:10:46 | -3.002  | 0.734    | 441.100 | 47820.000 | 49820.000 | 0.386      | 1.150     | 3.239     |
| X    |          | -2.680  | 0.657    | 440.200 | 48080.000 | 49530.000 | 0.361      | 0.884     | 3.168     |
| σ    |          | 0.285   | 0.097    | 3.109   | 244.700   | 415.800   | 0.042      | 0.285     | 0.076     |
| %RSD |          | 10.640  | 14.680   | 0.706   | 0.509     | 0.840     | 11.760     | 32.170    | 2.410     |
| Run  | Time     | 65Cu    | 66Zn     | 68Zn    | 75As      | 78Se      | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:09:23 | 2.656   | 3.970    | 3.928   | 12.200    | 0.258     | -0.892     | 0.000     | 631.700   |
| 2    | 01:10:04 | 2.240   | 3.810    | 4.019   | 11.860    | -1.092    | -0.768     | 0.000     | 643.900   |
| 3    | 01:10:46 | 3.589   | 3.309    | 4.114   | 10.870    | -0.135    | -0.105     | 0.000     | 645.800   |
| X    |          | 2.828   | 3.696    | 4.020   | 11.640    | -0.323    | -0.589     | 0.000     | 640.500   |
| σ    |          | 0.691   | 0.345    | 0.093   | 0.689     | 0.695     | 0.423      | 0.000     | 7.668     |
| %RSD |          | 24.430  | 9.332    | 2.307   | 5.913     | 215.200   | 71.880     | 0.000     | 1.197     |
| Run  | Time     | 89Y     | 95Mo     | 98Mo    | 103Rh     | 107Ag     | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:09:23 | 67.886% | 0.486    | 0.414   | 65.288%   | 0.005     | 0.011      | -0.078    | -0.197    |
| 2    | 01:10:04 | 68.857% | 0.313    | 0.428   | 66.972%   | 0.005     | 0.005      | -0.053    | -0.010    |
| 3    | 01:10:46 | 69.833% | 0.384    | 0.439   | 67.629%   | -0.001    | -0.007     | -0.006    | -0.101    |
| X    |          | 68.859% | 0.395    | 0.427   | 66.630%   | 0.003     | 0.003      | -0.046    | -0.103    |
| σ    |          | 0.974%  | 0.087    | 0.013   | 1.207%    | 0.003     | 0.009      | 0.036     | 0.094     |
| %RSD |          | 1.414   | 22.060   | 2.929   | 1.812     | 113.600   | 295.900    | 79.410    | 91.270    |
| Run  | Time     | 115In   | 118Sn    | 121Sb   | 123Sb     | 135Ba     | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:09:23 | 70.094% | 4.756    | 0.193   | 0.144     | 226.200   | 220.600    | 77.339%   | 78.188%   |
| 2    | 01:10:04 | 72.515% | 4.521    | 0.157   | 0.183     | 222.600   | 224.400    | 78.876%   | 81.357%   |
| 3    | 01:10:46 | 72.645% | 4.054    | 0.139   | 0.182     | 230.600   | 222.000    | 79.976%   | 82.184%   |
| X    |          | 71.751% | 4.444    | 0.163   | 0.169     | 226.500   | 222.300    | 78.730%   | 80.576%   |
| σ    |          | 1.437%  | 0.358    | 0.027   | 0.022     | 4.004     | 1.883      | 1.324%    | 2.109%    |
| %RSD |          | 2.003   | 8.045    | 16.780  | 13.190    | 1.768     | 0.847      | 1.682     | 2.618     |
| Run  | Time     | 203Tl   | 205Tl    | 206Pb   | 207Pb     | 208Pb     | 209Bi      |           |           |
|      |          | ppb     | ppb      | ppb     | ppb       | ppb       | ppb        |           |           |
| 1    | 01:09:23 | 0.082   | 0.087    | 0.797   | 0.761     | 0.730     | 74.217%    |           |           |
| 2    | 01:10:04 | 0.092   | 0.092    | 0.746   | 0.667     | 0.743     | 78.395%    |           |           |
| 3    | 01:10:46 | 0.047   | 0.069    | 0.697   | 0.696     | 0.726     | 79.532%    |           |           |
| X    |          | 0.074   | 0.083    | 0.747   | 0.708     | 0.733     | 77.381%    |           |           |
| σ    |          | 0.024   | 0.012    | 0.050   | 0.048     | 0.009     | 2.799%     |           |           |
| %RSD |          | 32.190  | 14.790   | 6.695   | 6.817     | 1.184     | 3.617      |           |           |

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User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be       | 10B     | 11B       | 13C       | 23Na       | 25Mg      | 26Mg      |
|------|----------|---------|-----------|---------|-----------|-----------|------------|-----------|-----------|
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:13:40 | 83.083% | 0.081     | 122.600 | 120.400   | 0.000     | 114900.000 | 30100.000 | 30150.000 |
| 2    | 01:14:22 | 85.577% | 0.187     | 118.600 | 116.700   | 0.000     | 113900.000 | 30280.000 | 30420.000 |
| 3    | 01:15:03 | 86.724% | 0.113     | 127.900 | 113.600   | 0.000     | 113000.000 | 29910.000 | 30200.000 |
| X    |          | 85.128% | 0.127     | 123.100 | 116.900   | 0.000     | 113900.000 | 30090.000 | 30260.000 |
| σ    |          | 1.862%  | 0.054     | 4.684   | 3.423     | 0.000     | 991.500    | 184.800   | 142.600   |
| %RSD |          | 2.187   | 42.800    | 3.807   | 2.928     | 0.000     | 0.870      | 0.614     | 0.471     |
| Run  | Time     | 27Al    | 28Si      | 37Cl    | 39K       | 43Ca      | 44Ca       | 45Sc      | 47Ti      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:13:40 | 81.860  | 10850.000 | 0.000   | 7220.000  | 78380.000 | 77290.000  | 66.037%   | 10.200    |
| 2    | 01:14:22 | 86.490  | 10950.000 | 0.000   | 7314.000  | 78940.000 | 78620.000  | 66.417%   | 10.290    |
| 3    | 01:15:03 | 85.030  | 10910.000 | 0.000   | 7349.000  | 79030.000 | 78740.000  | 66.974%   | 9.970     |
| X    |          | 84.460  | 10900.000 | 0.000   | 7294.000  | 78780.000 | 78220.000  | 66.476%   | 10.150    |
| σ    |          | 2.368   | 46.890    | 0.000   | 67.110    | 353.900   | 808.400    | 0.471%    | 0.164     |
| %RSD |          | 2.803   | 0.430     | 0.000   | 0.920     | 0.449     | 1.034      | 0.709     | 1.619     |
| Run  | Time     | 51V     | 52Cr      | 55Mn    | 56Fe      | 57Fe      | 59Co       | 60Ni      | 63Cu      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:13:40 | 0.752   | 1.957     | 523.600 | 57300.000 | 58070.000 | 0.457      | 3.863     | 7.266     |
| 2    | 01:14:22 | 2.003   | 2.113     | 530.900 | 57340.000 | 59170.000 | 0.559      | 4.503     | 7.395     |
| 3    | 01:15:03 | 0.918   | 1.900     | 531.900 | 57070.000 | 59240.000 | 0.491      | 3.622     | 7.557     |
| X    |          | 1.224   | 1.990     | 528.800 | 57240.000 | 58830.000 | 0.502      | 3.996     | 7.406     |
| σ    |          | 0.680   | 0.110     | 4.527   | 146.900   | 658.100   | 0.052      | 0.455     | 0.146     |
| %RSD |          | 55.520  | 5.544     | 0.856   | 0.257     | 1.119     | 10.340     | 11.400    | 1.964     |
| Run  | Time     | 65Cu    | 66Zn      | 68Zn    | 75As      | 78Se      | 82Se       | 83Kr      | 88Sr      |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:13:40 | 6.451   | 34.420    | 34.180  | 19.530    | -0.513    | -0.468     | 0.000     | 691.800   |
| 2    | 01:14:22 | 6.961   | 31.850    | 30.640  | 18.410    | -0.424    | 0.499      | 0.000     | 701.300   |
| 3    | 01:15:03 | 6.970   | 33.340    | 36.480  | 20.660    | -0.179    | -0.039     | 0.000     | 698.500   |
| X    |          | 6.794   | 33.200    | 33.770  | 19.530    | -0.372    | -0.003     | 0.000     | 697.200   |
| σ    |          | 0.297   | 1.292     | 2.946   | 1.126     | 0.173     | 0.484      | 0.000     | 4.891     |
| %RSD |          | 4.374   | 3.892     | 8.726   | 5.763     | 46.600    | 18840.000  | 0.000     | 0.702     |
| Run  | Time     | 89Y     | 95Mo      | 98Mo    | 103Rh     | 107Ag     | 109Ag      | 111Cd     | 114Cd     |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:13:40 | 68.589% | 0.519     | 0.495   | 67.177%   | -0.001    | 0.011      | 0.022     | 0.040     |
| 2    | 01:14:22 | 69.839% | 0.519     | 0.556   | 68.522%   | 0.054     | 0.022      | 0.005     | -0.027    |
| 3    | 01:15:03 | 70.557% | 0.495     | 0.538   | 69.301%   | 0.021     | 0.005      | -0.010    | -0.078    |
| X    |          | 69.662% | 0.511     | 0.530   | 68.333%   | 0.025     | 0.013      | 0.006     | -0.022    |
| σ    |          | 0.996%  | 0.014     | 0.031   | 1.075%    | 0.028     | 0.009      | 0.016     | 0.059     |
| %RSD |          | 1.429   | 2.744     | 5.901   | 1.573     | 112.300   | 70.830     | 279.700   | 271.700   |
| Run  | Time     | 115In   | 118Sn     | 121Sb   | 123Sb     | 135Ba     | 137Ba      | 159Tb     | 165Ho     |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb        | ppb       | ppb       |
| 1    | 01:13:40 | 71.831% | 3.605     | 0.363   | 0.424     | 173.200   | 168.000    | 78.373%   | 80.756%   |
| 2    | 01:14:22 | 73.163% | 4.010     | 0.417   | 0.509     | 171.200   | 172.000    | 81.888%   | 83.017%   |
| 3    | 01:15:03 | 73.742% | 3.704     | 0.404   | 0.529     | 169.700   | 170.300    | 80.944%   | 83.495%   |
| X    |          | 72.912% | 3.773     | 0.395   | 0.487     | 171.400   | 170.100    | 80.402%   | 82.423%   |
| σ    |          | 0.980%  | 0.212     | 0.028   | 0.056     | 1.778     | 1.981      | 1.820%    | 1.463%    |
| %RSD |          | 1.344   | 5.606     | 7.201   | 11.390    | 1.037     | 1.165      | 2.263     | 1.775     |
| Run  | Time     | 203Tl   | 205Tl     | 206Pb   | 207Pb     | 208Pb     | 209Bi      |           |           |
|      |          | ppb     | ppb       | ppb     | ppb       | ppb       | ppb        |           |           |
| 1    | 01:13:40 | 0.065   | 0.071     | 1.568   | 1.518     | 1.524     | 77.449%    |           |           |
| 2    | 01:14:22 | 0.089   | 0.088     | 1.528   | 1.465     | 1.524     | 80.467%    |           |           |
| 3    | 01:15:03 | 0.072   | 0.084     | 1.468   | 1.376     | 1.450     | 81.928%    |           |           |
| X    |          | 0.076   | 0.081     | 1.522   | 1.453     | 1.499     | 79.948%    |           |           |
| σ    |          | 0.013   | 0.009     | 0.050   | 0.072     | 0.042     | 2.284%     |           |           |
| %RSD |          | 16.720  | 10.810    | 3.300   | 4.938     | 2.834     | 2.857      |           |           |

CCV 664806 12/30/2012 1:20:06 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li      | 9Be      | 10B      | 11B       | 13C       | 23Na      | 25Mg      | 26Mg      |
|------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:20:48 | 76.065%  | 103.200  | 99.320   | 95.590    | 0.000     | 47810.000 | 40940.000 | 41030.000 |
| 2    | 01:21:30 | 77.297%  | 99.730   | 94.770   | 96.790    | 0.000     | 46840.000 | 40930.000 | 41150.000 |
| 3    | 01:22:11 | 77.878%  | 100.300  | 98.680   | 94.310    | 0.000     | 46580.000 | 40930.000 | 41230.000 |
| X    |          | 77.080%  | 101.063% | 97.590%  | 95.564%   | 0.000     | 94.154%   | 81.860%   | 82.270%   |
| σ    |          | 0.926%   | n/a      | n/a      | n/a       | 0.000     | n/a       | n/a       | n/a       |
| %RSD |          | 1.201    | 1.840    | 2.520    | 1.297     | 0.000     | 1.369     | 0.015     | 0.249     |
| Run  | Time     | 27Al     | 28Si     | 37Cl     | 39K       | 43Ca      | 44Ca      | 45Sc      | 47Ti      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:20:48 | 457.100  | 4872.000 | 0.000    | 48620.000 | 47730.000 | 46680.000 | 72.992%   | 97.390    |
| 2    | 01:21:30 | 453.300  | 4851.000 | 0.000    | 48320.000 | 47740.000 | 47410.000 | 73.763%   | 98.090    |
| 3    | 01:22:11 | 468.600  | 4844.000 | 0.000    | 47960.000 | 47450.000 | 46880.000 | 74.761%   | 97.390    |
| X    |          | 91.937%  | 97.113%  | 0.000    | 96.599%   | 95.280%   | 93.980%   | 73.838%   | 97.625%   |
| σ    |          | n/a      | n/a      | 0.000    | n/a       | n/a       | n/a       | 0.887%    | n/a       |
| %RSD |          | 1.725    | 0.299    | 0.000    | 0.691     | 0.350     | 0.805     | 1.201     | 0.416     |
| Run  | Time     | 51V      | 52Cr     | 55Mn     | 56Fe      | 57Fe      | 59Co      | 60Ni      | 63Cu      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:20:48 | 98.100   | 98.440   | 475.500  | 24750.000 | 24030.000 | 98.800    | 98.010    | 100.900   |
| 2    | 01:21:30 | 96.640   | 99.160   | 481.200  | 24540.000 | 24380.000 | 100.800   | 103.200   | 103.300   |
| 3    | 01:22:11 | 96.730   | 98.340   | 478.000  | 24320.000 | 24260.000 | 99.020    | 103.300   | 101.800   |
| X    |          | 97.156%  | 98.647%  | 95.644%  | 98.139%   | 96.891%   | 99.545%   | 101.484%  | 101.998%  |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 0.842    | 0.455    | 0.597    | 0.869     | 0.733     | 1.110     | 2.963     | 1.227     |
| Run  | Time     | 65Cu     | 66Zn     | 68Zn     | 75As      | 78Se      | 82Se      | 83Kr      | 88Sr      |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:20:48 | 102.500  | 99.370   | 102.700  | 100.000   | 96.440    | 97.170    | 0.000     | 97.940    |
| 2    | 01:21:30 | 101.400  | 99.300   | 102.600  | 100.400   | 96.620    | 102.300   | 0.000     | 96.370    |
| 3    | 01:22:11 | 105.200  | 102.400  | 103.100  | 97.710    | 92.220    | 98.460    | 0.000     | 97.880    |
| X    |          | 103.047% | 100.367% | 102.791% | 99.393%   | 95.092%   | 99.315%   | 0.000     | 97.398%   |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | n/a       | 0.000     | n/a       |
| %RSD |          | 1.866    | 1.782    | 0.251    | 1.480     | 2.622     | 2.695     | 0.000     | 0.912     |
| Run  | Time     | 89Y      | 95Mo     | 98Mo     | 103Rh     | 107Ag     | 109Ag     | 111Cd     | 114Cd     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:20:48 | 73.136%  | 98.880   | 98.690   | 72.562%   | 97.610    | 98.680    | 96.940    | 94.860    |
| 2    | 01:21:30 | 75.823%  | 98.510   | 99.880   | 75.189%   | 97.810    | 98.620    | 98.810    | 97.830    |
| 3    | 01:22:11 | 76.007%  | 103.000  | 102.700  | 75.986%   | 98.900    | 97.550    | 98.110    | 95.540    |
| X    |          | 74.989%  | 100.138% | 100.420% | 74.579%   | 98.110%   | 98.284%   | 97.953%   | 96.076%   |
| σ    |          | 1.607%   | n/a      | n/a      | 1.791%    | n/a       | n/a       | n/a       | n/a       |
| %RSD |          | 2.143    | 2.503    | 2.043    | 2.402     | 0.710     | 0.652     | 0.966     | 1.619     |
| Run  | Time     | 115In    | 118Sn    | 121Sb    | 123Sb     | 135Ba     | 137Ba     | 159Tb     | 165Ho     |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       | ppb       | ppb       |
| 1    | 01:20:48 | 75.077%  | 99.070   | 98.460   | 99.410    | 95.300    | 97.730    | 79.270%   | 80.212%   |
| 2    | 01:21:30 | 76.438%  | 99.860   | 99.810   | 100.900   | 96.950    | 98.610    | 81.587%   | 82.631%   |
| 3    | 01:22:11 | 78.464%  | 97.220   | 97.410   | 98.630    | 96.440    | 97.350    | 83.749%   | 84.881%   |
| X    |          | 76.660%  | 98.717%  | 98.562%  | 99.661%   | 96.230%   | 97.896%   | 81.535%   | 82.574%   |
| σ    |          | 1.704%   | n/a      | n/a      | n/a       | n/a       | n/a       | 2.240%    | 2.335%    |
| %RSD |          | 2.223    | 1.370    | 1.221    | 1.179     | 0.876     | 0.660     | 2.748     | 2.828     |
| Run  | Time     | 203Tl    | 205Tl    | 206Pb    | 207Pb     | 208Pb     | 209Bi     |           |           |
|      |          | ppb      | ppb      | ppb      | ppb       | ppb       | ppb       |           |           |
| 1    | 01:20:48 | 101.000  | 101.000  | 103.900  | 101.400   | 102.600   | 76.239%   |           |           |
| 2    | 01:21:30 | 101.500  | 101.400  | 103.700  | 103.100   | 103.200   | 79.334%   |           |           |
| 3    | 01:22:11 | 101.200  | 100.800  | 101.600  | 101.900   | 102.000   | 81.278%   |           |           |
| X    |          | 101.245% | 101.095% | 103.092% | 102.141%  | 102.578%  | 78.950%   |           |           |
| σ    |          | n/a      | n/a      | n/a      | n/a       | n/a       | 2.542%    |           |           |
| %RSD |          | 0.257    | 0.304    | 1.253    | 0.858     | 0.575     | 3.219     |           |           |

CCB 10 12/30/2012 1:27:15 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

| Run  | Time     | 6Li     | 9Be     | 10B    | 11B     | 13C     | 23Na    | 25Mg    | 26Mg    |
|------|----------|---------|---------|--------|---------|---------|---------|---------|---------|
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 01:27:56 | 90.103% | 0.003   | 0.934  | 1.943   | 0.000   | -20.830 | 31.090  | 31.680  |
| 2    | 01:28:38 | 90.671% | 0.104   | 0.924  | 1.881   | 0.000   | 26.030  | 51.910  | 52.730  |
| 3    | 01:29:20 | 90.866% | 0.003   | 2.984  | 1.753   | 0.000   | 5.032   | 45.780  | 48.070  |
| X    |          | 90.547% | 0.037   | 1.614  | 1.859   | 0.000   | 3.412   | 42.930  | 44.160  |
| σ    |          | 0.396%  | 0.058   | 1.187  | 0.097   | 0.000   | 23.470  | 10.700  | 11.050  |
| %RSD |          | 0.437   | 158.800 | 73.520 | 5.204   | 0.000   | 688.000 | 24.930  | 25.030  |
| Run  | Time     | 27Al    | 28Si    | 37Cl   | 39K     | 43Ca    | 44Ca    | 45Sc    | 47Ti    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 01:27:56 | -0.575  | 1.698   | 0.000  | 8.713   | 105.500 | 60.650  | 86.927% | -0.027  |
| 2    | 01:28:38 | 3.126   | 3.571   | 0.000  | 26.180  | 105.800 | 114.500 | 86.710% | 0.512   |
| 3    | 01:29:20 | 1.991   | 3.300   | 0.000  | 15.790  | 135.800 | 89.090  | 87.361% | 0.091   |
| X    |          | 1.514   | 2.856   | 0.000  | 16.890  | 115.700 | 88.070  | 87.000% | 0.192   |
| σ    |          | 1.896   | 1.012   | 0.000  | 8.785   | 17.420  | 26.930  | 0.331%  | 0.284   |
| %RSD |          | 125.200 | 35.450  | 0.000  | 52.000  | 15.050  | 30.570  | 0.381   | 147.700 |
| Run  | Time     | 51V     | 52Cr    | 55Mn   | 56Fe    | 57Fe    | 59Co    | 60Ni    | 63Cu    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 01:27:56 | 0.197   | 0.047   | 0.606  | 24.050  | 36.220  | 0.093   | 0.008   | 0.408   |
| 2    | 01:28:38 | 0.091   | 0.173   | 1.353  | 31.800  | 48.810  | 0.120   | 0.068   | 0.620   |
| 3    | 01:29:20 | 0.123   | 0.074   | 1.039  | 26.590  | 34.910  | 0.130   | 0.147   | 0.499   |
| X    |          | 0.137   | 0.098   | 0.999  | 27.480  | 39.980  | 0.114   | 0.074   | 0.509   |
| σ    |          | 0.054   | 0.066   | 0.375  | 3.952   | 7.674   | 0.019   | 0.070   | 0.107   |
| %RSD |          | 39.530  | 67.580  | 37.570 | 14.380  | 19.190  | 16.690  | 93.680  | 20.940  |
| Run  | Time     | 65Cu    | 66Zn    | 68Zn   | 75As    | 78Se    | 82Se    | 83Kr    | 88Sr    |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 01:27:56 | 0.401   | 0.484   | 0.608  | -0.115  | -0.748  | -1.105  | 0.000   | 0.821   |
| 2    | 01:28:38 | 0.681   | 0.952   | 0.486  | -0.222  | -1.117  | -0.526  | 0.000   | 1.501   |
| 3    | 01:29:20 | 0.657   | 0.879   | 0.878  | 0.130   | -1.125  | -0.660  | 0.000   | 1.116   |
| X    |          | 0.579   | 0.772   | 0.657  | -0.069  | -0.997  | -0.764  | 0.000   | 1.146   |
| σ    |          | 0.155   | 0.252   | 0.201  | 0.180   | 0.215   | 0.303   | 0.000   | 0.341   |
| %RSD |          | 26.810  | 32.640  | 30.510 | 260.700 | 21.610  | 39.710  | 0.000   | 29.760  |
| Run  | Time     | 89Y     | 95Mo    | 98Mo   | 103Rh   | 107Ag   | 109Ag   | 111Cd   | 114Cd   |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 01:27:56 | 83.451% | 0.164   | 0.238  | 86.575% | 0.034   | 0.056   | 0.099   | -0.036  |
| 2    | 01:28:38 | 84.275% | 0.310   | 0.195  | 87.276% | 0.091   | 0.084   | -0.012  | -0.013  |
| 3    | 01:29:20 | 84.344% | 0.233   | 0.201  | 87.601% | 0.073   | 0.026   | 0.061   | 0.004   |
| X    |          | 84.023% | 0.236   | 0.211  | 87.151% | 0.066   | 0.056   | 0.049   | -0.015  |
| σ    |          | 0.497%  | 0.073   | 0.023  | 0.524%  | 0.029   | 0.029   | 0.057   | 0.020   |
| %RSD |          | 0.591   | 31.060  | 10.930 | 0.601   | 44.320  | 52.180  | 114.900 | 133.700 |
| Run  | Time     | 115In   | 118Sn   | 121Sb  | 123Sb   | 135Ba   | 137Ba   | 159Tb   | 165Ho   |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     | ppb     | ppb     |
| 1    | 01:27:56 | 83.826% | 0.725   | 0.104  | 0.065   | 0.386   | 0.545   | 82.725% | 83.335% |
| 2    | 01:28:38 | 85.266% | 0.736   | 0.097  | 0.160   | 0.585   | 0.625   | 84.530% | 85.430% |
| 3    | 01:29:20 | 87.006% | 0.638   | 0.070  | 0.119   | 0.294   | 0.466   | 84.677% | 86.024% |
| X    |          | 85.366% | 0.700   | 0.091  | 0.115   | 0.422   | 0.545   | 83.977% | 84.930% |
| σ    |          | 1.592%  | 0.054   | 0.018  | 0.047   | 0.149   | 0.080   | 1.087%  | 1.413%  |
| %RSD |          | 1.865   | 7.685   | 19.640 | 41.350  | 35.240  | 14.600  | 1.295   | 1.663   |
| Run  | Time     | 203Tl   | 205Tl   | 206Pb  | 207Pb   | 208Pb   | 209Bi   |         |         |
|      |          | ppb     | ppb     | ppb    | ppb     | ppb     | ppb     |         |         |
| 1    | 01:27:56 | 0.126   | 0.088   | 0.056  | 0.064   | 0.066   | 85.004% |         |         |
| 2    | 01:28:38 | 0.108   | 0.103   | 0.072  | 0.127   | 0.099   | 86.509% |         |         |
| 3    | 01:29:20 | 0.119   | 0.103   | 0.068  | 0.102   | 0.082   | 87.318% |         |         |
| X    |          | 0.118   | 0.098   | 0.066  | 0.098   | 0.083   | 86.277% |         |         |
| σ    |          | 0.009   | 0.009   | 0.008  | 0.031   | 0.016   | 1.174%  |         |         |
| %RSD |          | 7.354   | 9.265   | 12.750 | 32.160  | 19.860  | 1.361   |         |         |

## METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69294 Batch Start Date: 12/18/12 19:10 Batch Analyst: Jones, DianeBatch Method: 1311 Batch End Date: 12/19/12 11:15

| Lab Sample ID  | Client Sample ID      | Method Chain              | Basis | EXTCLPACETIC<br>00005 | EXTCLPFILTERS<br>00012 | EXTCLPHCLW<br>00018 | EXTCLPNAOH<br>00010 | AnalysisComment                            |  |
|----------------|-----------------------|---------------------------|-------|-----------------------|------------------------|---------------------|---------------------|--------------------------------------------|--|
| LB 240-69294/1 |                       | 1311, 3010A,<br>6010B/DOD |       | 1 mL                  | 1                      | 1 mL                | 1 g                 |                                            |  |
| 240-18735-C-5  | 070-0058-0001-ID<br>W | 1311, 3010A,<br>6010B/DOD | P     | 1 mL                  | 1                      | 1 mL                | 1 g                 | DOD - MS/MSD<br>for Metals, MS<br>for Herb |  |
| 240-18735-F-6  | 070-0059-0001-ID<br>W | 1311, 3010A,<br>6010B/DOD | P     | 1 mL                  | 1                      | 1 mL                | 1 g                 | DOD - MS for<br>Pest, MS for<br>BNAs       |  |

| Batch Notes                  |                 |
|------------------------------|-----------------|
| Tumbler Rotations per Minute | A, B, C = 31rpm |

| Basis | Basis Description |
|-------|-------------------|
| P     | TCLP              |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010B/DOD

Page 1 of 1

## METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69405 Batch Start Date: 12/19/12 12:05 Batch Analyst: McGall, LisaBatch Method: 3010A Batch End Date: 12/19/12 20:00

| Lab Sample ID       | Client Sample ID   | Method Chain     | Basis | InitialAmount | FinalAmount | MT1to1HCL 00019 | MTAGSPIKEW 00024 | MTHNO3 00039 | MTICP1 00019 |
|---------------------|--------------------|------------------|-------|---------------|-------------|-----------------|------------------|--------------|--------------|
| LB 240-69294/1-A    |                    | 3010A, 6010B/DOD |       | 50 mL         | 50 mL       | 5 mL            |                  | 3 mL         |              |
| MB 240-69405/2      |                    | 3010A, 6010B/DOD |       | 50 mL         | 50 mL       | 5 mL            |                  | 3 mL         |              |
| LCS 240-69405/3     |                    | 3010A, 6010B/DOD |       | 50 mL         | 50 mL       | 5 mL            | 1 mL             | 3 mL         | 1 mL         |
| 240-18735-C-5-B     | 070-0058-0001-ID W | 3010A, 6010B/DOD | P     | 50 mL         | 50 mL       | 5 mL            |                  | 3 mL         |              |
| 240-18735-C-5-B MS  | 070-0058-0001-ID W | 3010A, 6010B/DOD | P     | 50 mL         | 50 mL       | 5 mL            |                  | 3 mL         |              |
| 240-18735-C-5-B MSD | 070-0058-0001-ID W | 3010A, 6010B/DOD | P     | 50 mL         | 50 mL       | 5 mL            |                  | 3 mL         |              |
| 240-18735-F-6-B     | 070-0059-0001-ID W | 3010A, 6010B/DOD | P     | 12.5 mL       | 50 mL       | 5 mL            |                  | 3 mL         |              |

| Lab Sample ID       | Client Sample ID   | Method Chain     | Basis | MTNONRCRA 00005 | MTRCRA 00005 | AnalysisComment              |  |  |  |
|---------------------|--------------------|------------------|-------|-----------------|--------------|------------------------------|--|--|--|
| LB 240-69294/1-A    |                    | 3010A, 6010B/DOD |       |                 |              |                              |  |  |  |
| MB 240-69405/2      |                    | 3010A, 6010B/DOD |       |                 |              |                              |  |  |  |
| LCS 240-69405/3     |                    | 3010A, 6010B/DOD |       |                 |              |                              |  |  |  |
| 240-18735-C-5-B     | 070-0058-0001-ID W | 3010A, 6010B/DOD | P     |                 |              |                              |  |  |  |
| 240-18735-C-5-B MS  | 070-0058-0001-ID W | 3010A, 6010B/DOD | P     | 1 mL            | 0.5 mL       | spiked prior to preservation |  |  |  |
| 240-18735-C-5-B MSD | 070-0058-0001-ID W | 3010A, 6010B/DOD | P     | 1 mL            | 0.5 mL       | spiked prior to preservation |  |  |  |
| 240-18735-F-6-B     | 070-0059-0001-ID W | 3010A, 6010B/DOD | P     |                 |              | 4x dilution due to matrix    |  |  |  |

| Batch Notes              |                      |
|--------------------------|----------------------|
| Filter Paper Lot Number  | 7027633              |
| Pipette ID               | 383363-383364-383389 |
| Digestion Tube/Cup Lot # | 1205258              |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010B/DOD

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# METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69405 Batch Start Date: 12/19/12 12:05 Batch Analyst: McGall, Lisa

Batch Method: 3010A Batch End Date: 12/19/12 20:00

| Basis | Basis Description |
|-------|-------------------|
| P     | TCLP              |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69294 Batch Start Date: 12/18/12 19:10 Batch Analyst: Jones, DianeBatch Method: 1311 Batch End Date: 12/19/12 11:15

| Lab Sample ID  | Client Sample ID      | Method Chain              | Basis | EXTCLPACETIC<br>00005 | EXTCLPFILTERS<br>00012 | EXTCLPHCLW<br>00018 | EXTCLPNAOH<br>00010 | AnalysisComment                            |  |
|----------------|-----------------------|---------------------------|-------|-----------------------|------------------------|---------------------|---------------------|--------------------------------------------|--|
| LB 240-69294/1 |                       | 1311, 7470A,<br>7470A/DOD |       | 1 mL                  | 1                      | 1 mL                | 1 g                 |                                            |  |
| 240-18735-C-5  | 070-0058-0001-ID<br>W | 1311, 7470A,<br>7470A/DOD | P     | 1 mL                  | 1                      | 1 mL                | 1 g                 | DOD - MS/MSD<br>for Metals, MS<br>for Herb |  |
| 240-18735-F-6  | 070-0059-0001-ID<br>W | 1311, 7470A,<br>7470A/DOD | P     | 1 mL                  | 1                      | 1 mL                | 1 g                 | DOD - MS for<br>Pest, MS for<br>BNAs       |  |

| Batch Notes                  |                 |
|------------------------------|-----------------|
| Tumbler Rotations per Minute | A, B, C = 31rpm |

| Basis | Basis Description |
|-------|-------------------|
| P     | TCLP              |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A/DOD

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METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69409 Batch Start Date: 12/20/12 11:20 Batch Analyst: McGall, Lisa

Batch Method: 7470A Batch End Date: 12/20/12 13:20

| Lab Sample ID          | Client Sample ID      | Method Chain        | Basis | InitialAmount | FinalAmount | MTH2S04 00010 | MTHGICVW 00452 | MTHGICVW 00453 | MTHNO3 00039 |
|------------------------|-----------------------|---------------------|-------|---------------|-------------|---------------|----------------|----------------|--------------|
| LB<br>240-69294/1-A    |                       | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          |                |                | 2.5 mL       |
| MB 240-69409/2         |                       | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          |                |                | 2.5 mL       |
| LCS 240-69409/3        |                       | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          |                | 1 mL           | 2.5 mL       |
| 240-18735-C-5-B        | 070-0058-0001-ID<br>W | 7470A,<br>7470A/DOD | P     | 100 mL        | 100 mL      | 5 mL          |                |                | 2.5 mL       |
| 240-18735-C-5-B<br>MS  | 070-0058-0001-ID<br>W | 7470A,<br>7470A/DOD | P     | 100 mL        | 100 mL      | 5 mL          | 1 mL           |                | 2.5 mL       |
| 240-18735-C-5-B<br>MSD | 070-0058-0001-ID<br>W | 7470A,<br>7470A/DOD | P     | 100 mL        | 100 mL      | 5 mL          | 1 mL           |                | 2.5 mL       |
| 240-18735-F-6-B        | 070-0059-0001-ID<br>W | 7470A,<br>7470A/DOD | P     | 100 mL        | 100 mL      | 5 mL          |                |                | 2.5 mL       |

| Lab Sample ID          | Client Sample ID      | Method Chain        | Basis | MTK2S208RGNT<br>00031 | MTKMnO4Liq<br>00010 | AnalysisComment                 |  |  |  |
|------------------------|-----------------------|---------------------|-------|-----------------------|---------------------|---------------------------------|--|--|--|
| LB<br>240-69294/1-A    |                       | 7470A,<br>7470A/DOD |       | 8 mL                  | 15 mL               |                                 |  |  |  |
| MB 240-69409/2         |                       | 7470A,<br>7470A/DOD |       | 8 mL                  | 15 mL               |                                 |  |  |  |
| LCS 240-69409/3        |                       | 7470A,<br>7470A/DOD |       | 8 mL                  | 15 mL               |                                 |  |  |  |
| 240-18735-C-5-B        | 070-0058-0001-ID<br>W | 7470A,<br>7470A/DOD | P     | 8 mL                  | 15 mL               |                                 |  |  |  |
| 240-18735-C-5-B<br>MS  | 070-0058-0001-ID<br>W | 7470A,<br>7470A/DOD | P     | 8 mL                  | 15 mL               | spiked prior to<br>preservation |  |  |  |
| 240-18735-C-5-B<br>MSD | 070-0058-0001-ID<br>W | 7470A,<br>7470A/DOD | P     | 8 mL                  | 15 mL               | spiked prior to<br>preservation |  |  |  |
| 240-18735-F-6-B        | 070-0059-0001-ID<br>W | 7470A,<br>7470A/DOD | P     | 8 mL                  | 15 mL               |                                 |  |  |  |

| Batch Notes              |          |
|--------------------------|----------|
| Pipette ID               | 383364   |
| Digestion Tube/Cup Lot # | 00052865 |

| Basis | Basis Description |
|-------|-------------------|
| P     | TCLP              |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A/DOD

## METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69493 Batch Start Date: 12/19/12 10:24 Batch Analyst: Heakin, DavidBatch Method: 7470A Batch End Date: 12/19/12 12:24

| Lab Sample ID        | Client Sample ID | Method Chain        | Basis | InitialAmount | FinalAmount | MTH2S04 00010 | MTHGCALW 00293 | MTHGICVW 00452 | MTHNO3 00039 |
|----------------------|------------------|---------------------|-------|---------------|-------------|---------------|----------------|----------------|--------------|
| ICV 240-69493/7      |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          |                | 0.5 mL         | 2.5 mL       |
| ICB 240-69493/8      |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          |                |                | 2.5 mL       |
| CRA 240-69493/9      |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          | 0.2 mL         |                | 2.5 mL       |
| CCVL<br>240-69493/10 |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          | 5 mL           |                | 2.5 mL       |
| CCV<br>240-69493/11  |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          | 5 mL           |                | 2.5 mL       |
| CCB<br>240-69493/12  |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          |                |                | 2.5 mL       |

| Lab Sample ID        | Client Sample ID | Method Chain        | Basis | MTK2S208RGNT<br>00031 | MTKMnO4Liq<br>00010 |  |  |  |  |
|----------------------|------------------|---------------------|-------|-----------------------|---------------------|--|--|--|--|
| ICV 240-69493/7      |                  | 7470A,<br>7470A/DOD |       | 8 mL                  | 15 mL               |  |  |  |  |
| ICB 240-69493/8      |                  | 7470A,<br>7470A/DOD |       | 8 mL                  | 15 mL               |  |  |  |  |
| CRA 240-69493/9      |                  | 7470A,<br>7470A/DOD |       | 8 mL                  | 15 mL               |  |  |  |  |
| CCVL<br>240-69493/10 |                  | 7470A,<br>7470A/DOD |       | 8 mL                  | 15 mL               |  |  |  |  |
| CCV<br>240-69493/11  |                  | 7470A,<br>7470A/DOD |       | 8 mL                  | 15 mL               |  |  |  |  |
| CCB<br>240-69493/12  |                  | 7470A,<br>7470A/DOD |       | 8 mL                  | 15 mL               |  |  |  |  |

| Batch Notes              |                |
|--------------------------|----------------|
| Pipette ID               | 383364, 383366 |
| Digestion Tube/Cup Lot # | 00052865       |

| Basis | Basis Description |
|-------|-------------------|
|       |                   |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A/DOD

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## METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 70255 Batch Start Date: 12/27/12 16:00 Batch Analyst: McGall, LisaBatch Method: 7470A Batch End Date: 12/27/12 18:00

| Lab Sample ID   | Client Sample ID               | Method Chain        | Basis | InitialAmount | FinalAmount | MTH2S04 00011 | MTHGICVW 00456 | MTHNO3 00039 | MTK2S208Liq<br>00017 |
|-----------------|--------------------------------|---------------------|-------|---------------|-------------|---------------|----------------|--------------|----------------------|
| MB 240-70255/1  |                                | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          |                | 2.5 mL       | 8 mL                 |
| LCS 240-70255/2 |                                | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          | 1 mL           | 2.5 mL       | 8 mL                 |
| 240-18735-S-3   | 070-0056-0001-SO<br>URCE WATER | 7470A,<br>7470A/DOD | T     | 100 mL        | 100 mL      | 5 mL          |                | 2.5 mL       | 8 mL                 |
| 240-18735-S-4   | 070-0057-0001-SO<br>URCE WATER | 7470A,<br>7470A/DOD | T     | 100 mL        | 100 mL      | 5 mL          |                | 2.5 mL       | 8 mL                 |

| Lab Sample ID   | Client Sample ID               | Method Chain        | Basis | MTKMnO4Liq<br>00010 |  |  |  |  |  |
|-----------------|--------------------------------|---------------------|-------|---------------------|--|--|--|--|--|
| MB 240-70255/1  |                                | 7470A,<br>7470A/DOD |       | 15 mL               |  |  |  |  |  |
| LCS 240-70255/2 |                                | 7470A,<br>7470A/DOD |       | 15 mL               |  |  |  |  |  |
| 240-18735-S-3   | 070-0056-0001-SO<br>URCE WATER | 7470A,<br>7470A/DOD | T     | 15 mL               |  |  |  |  |  |
| 240-18735-S-4   | 070-0057-0001-SO<br>URCE WATER | 7470A,<br>7470A/DOD | T     | 15 mL               |  |  |  |  |  |

| Batch Notes              |               |
|--------------------------|---------------|
| Pipette ID               | 432085 383364 |
| Digestion Tube/Cup Lot # | 00052609      |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A/DOD

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## METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 70435 Batch Start Date: 12/28/12 09:20 Batch Analyst: Heakin, DavidBatch Method: 7470A Batch End Date: 12/28/12 11:20

| Lab Sample ID        | Client Sample ID | Method Chain        | Basis | InitialAmount | FinalAmount | MTH2S04 00011 | MTHGCALW 00295 | MTHGICVW 00457 | MTHNO3 00039 |
|----------------------|------------------|---------------------|-------|---------------|-------------|---------------|----------------|----------------|--------------|
| ICV 240-70435/7      |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          |                | 0.5 mL         | 2.5 mL       |
| ICB 240-70435/8      |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          |                |                | 2.5 mL       |
| CRA 240-70435/9      |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          | 0.2 mL         |                | 2.5 mL       |
| CCVL<br>240-70435/10 |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          | 5 mL           |                | 2.5 mL       |
| CCV<br>240-70435/11  |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          | 5 mL           |                | 2.5 mL       |
| CCB<br>240-70435/12  |                  | 7470A,<br>7470A/DOD |       | 100 mL        | 100 mL      | 5 mL          |                |                | 2.5 mL       |

| Lab Sample ID        | Client Sample ID | Method Chain        | Basis | MTK2S2O8Liq<br>00017 | MTKMnO4Liq<br>00010 |  |  |  |  |
|----------------------|------------------|---------------------|-------|----------------------|---------------------|--|--|--|--|
| ICV 240-70435/7      |                  | 7470A,<br>7470A/DOD |       | 8 mL                 | 15 mL               |  |  |  |  |
| ICB 240-70435/8      |                  | 7470A,<br>7470A/DOD |       | 8 mL                 | 15 mL               |  |  |  |  |
| CRA 240-70435/9      |                  | 7470A,<br>7470A/DOD |       | 8 mL                 | 15 mL               |  |  |  |  |
| CCVL<br>240-70435/10 |                  | 7470A,<br>7470A/DOD |       | 8 mL                 | 15 mL               |  |  |  |  |
| CCV<br>240-70435/11  |                  | 7470A,<br>7470A/DOD |       | 8 mL                 | 15 mL               |  |  |  |  |
| CCB<br>240-70435/12  |                  | 7470A,<br>7470A/DOD |       | 8 mL                 | 15 mL               |  |  |  |  |

| Batch Notes              |                |
|--------------------------|----------------|
| Pipette ID               | 383364, 383366 |
| Digestion Tube/Cup Lot # | 00052609       |

| Basis | Basis Description |
|-------|-------------------|
|       |                   |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A/DOD

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## METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 59308 Batch Start Date: 12/24/12 10:00 Batch Analyst: Haluck, CaitlynBatch Method: 3005A Batch End Date: 12/24/12 14:00

| Lab Sample ID       | Client Sample ID               | Method Chain       | Basis | InitialAmount | FinalAmount | MTAPITTCPMS<br>00010 | MTAPITTMISA<br>00012 | MTAPITTMSC<br>00016 |  |
|---------------------|--------------------------------|--------------------|-------|---------------|-------------|----------------------|----------------------|---------------------|--|
| MB 180-59308/1      |                                | 3005A,<br>6020/DOD |       | 50 mL         | 50 mL       |                      |                      |                     |  |
| LCS 180-59308/2     |                                | 3005A,<br>6020/DOD |       | 50 mL         | 50 mL       | 0.5 mL               | 0.5 mL               | 0.5 mL              |  |
| LCSD<br>180-59308/3 |                                | 3005A,<br>6020/DOD |       | 50 mL         | 50 mL       | 0.5 mL               | 0.5 mL               | 0.5 mL              |  |
| 240-18735-G-3       | 070-0056-0001-SO<br>URCE WATER | 3005A,<br>6020/DOD | R     | 50 mL         | 50 mL       |                      |                      |                     |  |
| 240-18735-G-4       | 070-0057-0001-SO<br>URCE WATER | 3005A,<br>6020/DOD | R     | 50 mL         | 50 mL       |                      |                      |                     |  |

| Batch Notes                       |              |
|-----------------------------------|--------------|
| Batch Comment                     | METALS D1    |
| First End time                    | 1400         |
| Lot # of hydrochloric acid        | 2.5ML 574080 |
| Lot # of Nitric Acid              | 1.0ML 683534 |
| Hot Block ID number               | #1           |
| Oven, Bath or Block Temperature 1 | 95           |
| Pipette ID                        | J1102764U    |
| Person who witnessed spiking      | CH           |
| First Start time                  | 1000         |
| ID number of the thermometer      | IP1 (0.0) D6 |
| Digestion Tube/Cup Lot #          | 1207143      |
| Uncorrected Temperature           | 95 Celsius   |

| Basis | Basis Description |
|-------|-------------------|
| R     | Total Recoverable |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6020/DOD

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# GENERAL CHEMISTRY



COVER PAGE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG No.: \_\_\_\_\_

Project: RVAAP - ECC

| Client Sample ID         | Lab Sample ID      |
|--------------------------|--------------------|
| <u>070-0058-0001-IDW</u> | <u>240-18735-5</u> |
| <u>070-0059-0001-IDW</u> | <u>240-18735-6</u> |

Comments:

COVER PAGE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18735-2

SDG No.: \_\_\_\_\_

Project: RVAAP - ECC

Client Sample ID

070-0056-0001-SOURCE WATER

070-0057-0001-SOURCE WATER

Lab Sample ID

240-18735-3

240-18735-4

Comments:

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 070-0058-0001-IDW

Lab Sample ID: 240-18735-5

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

SDG ID.:

Matrix: Solid

Date Sampled: 12/12/2012 13:30

Reporting Basis: DRY

Date Received: 12/12/2012 17:07

% Solids: 87.9

| Analyte        | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method        |
|----------------|--------|------|------|------|-------|---|---|-----|---------------|
| Sulfide        | 31     | 34   | 31   | 25   | mg/Kg | U |   | 1   | 9034          |
| Cyanide, Total | 0.28   | 0.57 | 0.28 | 0.11 | mg/Kg | U |   | 1   | 9012A/Do<br>D |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 070-0058-0001-IDW

Lab Sample ID: 240-18735-5

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

SDG ID.:

Matrix: Solid

Date Sampled: 12/12/2012 13:30

Reporting Basis: WET

Date Received: 12/12/2012 17:07

| Analyte     | Result | LOQ   | LOD   | DL    | Units     | C | Q | DIL | Method |
|-------------|--------|-------|-------|-------|-----------|---|---|-----|--------|
| Flashpoint  | >180   | 1.00  | 1.00  | 1.00  | Degrees F |   |   | 1   | 1010   |
| Corrosivity | 7.68   | 0.100 | 0.100 | 0.100 | SU        |   |   | 1   | 9045C  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 070-0059-0001-IDW

Lab Sample ID: 240-18735-6

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

SDG ID.:

Matrix: Water

Date Sampled: 12/12/2012 13:30

Reporting Basis: WET

Date Received: 12/12/2012 17:07

| Analyte        | Result | LOQ   | LOD   | DL     | Units     | C | Q | DIL | Method     |
|----------------|--------|-------|-------|--------|-----------|---|---|-----|------------|
| Flashpoint     | >180   | 1.00  | 1.00  | 1.00   | Degrees F |   |   | 1   | 1010       |
| Sulfide        | 2.5    | 3.0   | 2.5   | 0.94   | mg/L      | U |   | 1   | 9034       |
| Corrosivity    | 8.27   | 0.100 | 0.100 | 0.100  | SU        |   | H | 1   | 9040C      |
| Cyanide, Total | 0.010  | 0.010 | 0.010 | 0.0050 | mg/L      | U |   | 1   | 9012A/Do D |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 070-0056-0001-SOURCE WATER

Lab Sample ID: 240-18735-3

Lab Name: TestAmerica Sacramento

Job No.: 240-18735-2

SDG ID.:

Matrix: Water

Date Sampled: 12/12/2012 13:00

Reporting Basis: WET

Date Received: 12/12/2012 17:07

| Analyte        | Result | LOQ | LOD | DL   | Units | C | Q | DIL | Method         |
|----------------|--------|-----|-----|------|-------|---|---|-----|----------------|
| Nitrocellulose | 1.0    | 2.0 | 1.0 | 0.48 | mg/L  | U |   | 1   | WS-WC-00<br>50 |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 070-0057-0001-SOURCE WATER

Lab Sample ID: 240-18735-4

Lab Name: TestAmerica Sacramento

Job No.: 240-18735-2

SDG ID.:

Matrix: Water

Date Sampled: 12/12/2012 13:15

Reporting Basis: WET

Date Received: 12/12/2012 17:07

| Analyte        | Result | LOQ | LOD | DL   | Units | C | Q | DIL | Method         |
|----------------|--------|-----|-----|------|-------|---|---|-----|----------------|
| Nitrocellulose | 1.0    | 2.0 | 1.0 | 0.48 | mg/L  | U |   | 1   | WS-WC-00<br>50 |

2-IN  
CALIBRATION QUALITY CONTROL  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Analyst: LG Batch Start Date: 12/13/2012  
Reporting Units: SU Analytical Batch No.: 68653

| Sample<br>Number | QC<br>Type | Time  | Analyte     | Result | Spike<br>Amount | (%)<br>Recovery | Limits | Qual | Reagent     |
|------------------|------------|-------|-------------|--------|-----------------|-----------------|--------|------|-------------|
| 1                | CCV        | 18:31 | Corrosivity | 7.020  | 7.00            | 100             | 99-101 |      | WCPH7_00024 |
| 7                | CCV        | 18:47 | Corrosivity | 7.030  | 7.00            | 100             | 99-101 |      | WCPH7_00024 |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.



2-IN  
CALIBRATION QUALITY CONTROL  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Analyst: LG Batch Start Date: 12/14/2012  
Reporting Units: SU Analytical Batch No.: 68809

| Sample<br>Number | QC<br>Type | Time  | Analyte     | Result | Spike<br>Amount | (%)<br>Recovery | Limits | Qual | Reagent     |
|------------------|------------|-------|-------------|--------|-----------------|-----------------|--------|------|-------------|
| 41               | CCV        | 17:06 | Corrosivity | 6.980  | 7.00            | 100             | 99-101 |      | WCPH7_00024 |
| 52               | CCV        | 17:35 | Corrosivity | 6.970  | 7.00            | 100             | 99-101 |      | WCPH7_00024 |
| 59               | CCV        | 17:54 | Corrosivity | 6.970  | 7.00            | 100             | 99-101 |      | WCPH7_00024 |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN  
CALIBRATION QUALITY CONTROL  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Analyst: CN Batch Start Date: 12/20/2012  
Reporting Units: mg/L Analytical Batch No.: 69587

| Sample Number | QC Type | Time  | Analyte        | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent          |
|---------------|---------|-------|----------------|--------|--------------|--------------|--------|------|------------------|
| 4             | ICV     | 09:10 | Cyanide, Total | 0.0985 | 0.100        | 98           | 90-110 |      | WCCN.1ICV2_00091 |
| 5             | ICB     | 09:10 | Cyanide, Total | 0.010  |              |              |        | U    |                  |
| 7             | CCV     | 09:55 | Cyanide, Total | 0.0952 | 0.100        | 95           | 90-110 |      | WCCN.1CCV1_00087 |
| 8             | CCB     | 09:55 | Cyanide, Total | 0.010  |              |              |        | U    |                  |
| 9             | CCVH    | 09:55 | Cyanide, Total | 0.0945 | 0.100        | 94           | 90-110 |      | WCCN10PPM1_00087 |
| 10            | CCVL    | 09:55 | Cyanide, Total | 0.0261 | 0.0250       | 104          | 90-110 |      | WCCN10PPM1_00087 |
| 17            | CCV     | 09:59 | Cyanide, Total | 0.100  | 0.100        | 100          | 90-110 |      | WCCN.1CCV1_00087 |
| 18            | CCB     | 09:59 | Cyanide, Total | 0.010  |              |              |        | U    |                  |
| 22            | CCV     | 10:00 | Cyanide, Total | 0.103  | 0.100        | 103          | 90-110 |      | WCCN.1CCV1_00087 |
| 23            | CCB     | 10:00 | Cyanide, Total | 0.010  |              |              |        | U    |                  |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN  
CALIBRATION QUALITY CONTROL  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
 SDG No.: \_\_\_\_\_  
 Analyst: AM Batch Start Date: 12/24/2012  
 Reporting Units: mg/L Analytical Batch No.: 70054

| Sample Number | QC Type | Time  | Analyte        | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent          |
|---------------|---------|-------|----------------|--------|--------------|--------------|--------|------|------------------|
| 4             | ICV     | 11:20 | Cyanide, Total | 0.0999 | 0.100        | 100          | 90-110 |      | WCCN.1ICV2_00092 |
| 5             | ICB     | 11:20 | Cyanide, Total | 0.010  |              |              |        | U    |                  |
| 28            | CCVL    | 12:45 | Cyanide, Total | 0.0261 | 0.0250       | 105          | 90-110 |      | WCCN10PPM1_00088 |
| 31            | CCV     | 12:58 | Cyanide, Total | 0.101  | 0.100        | 101          | 90-110 |      | WCCN.1CCV1_00088 |
| 32            | CCB     | 12:58 | Cyanide, Total | 0.010  |              |              |        | U    |                  |
| 42            | CCV     | 13:11 | Cyanide, Total | 0.0931 | 0.100        | 93           | 90-110 |      | WCCN.1CCV1_00088 |
| 43            | CCB     | 13:11 | Cyanide, Total | 0.010  |              |              |        | U    |                  |
| 49            | CCV     | 13:45 | Cyanide, Total | 0.0945 | 0.100        | 95           | 90-110 |      | WCCN.1CCV1_00088 |
| 50            | CCB     | 13:45 | Cyanide, Total | 0.010  |              |              |        | U    |                  |
| 52            | CCVH    | 13:47 | Cyanide, Total | 0.105  | 0.100        | 105          | 90-110 |      | WCCN10PPM1_00088 |
| 53            | CCV     | 13:48 | Cyanide, Total | 0.0987 | 0.100        | 99           | 90-110 |      | WCCN.1CCV1_00088 |
| 54            | CCB     | 13:48 | Cyanide, Total | 0.010  |              |              |        | U    |                  |
| 55            | CCV     | 14:06 | Cyanide, Total | 0.0920 | 0.100        | 92           | 90-110 |      | WCCN.1CCV1_00088 |
| 56            | CCB     | 14:06 | Cyanide, Total | 0.010  |              |              |        | U    |                  |
| 59            | CCV     | 14:07 | Cyanide, Total | 0.0961 | 0.100        | 96           | 90-110 |      | WCCN.1CCV1_00088 |
| 60            | CCB     | 14:07 | Cyanide, Total | 0.010  |              |              |        | U    |                  |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN  
CALIBRATION QUALITY CONTROL  
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Analyst: JB Batch Start Date: 12/27/2012  
Reporting Units: mg/L Analytical Batch No.: 8009

| Sample Number | QC Type | Time  | Analyte        | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent            |
|---------------|---------|-------|----------------|--------|--------------|--------------|--------|------|--------------------|
| 8             | ICV     | 13:19 | Nitrocellulose | 8.41   | 8.40         | 100          | 90-110 |      | WC-353.2-ICV_00015 |
| 9             | ICB     | 13:21 | Nitrocellulose | 1.0    |              |              |        | U    |                    |
| 21            | CCV     | 13:45 | Nitrocellulose | 8.36   | 8.40         | 100          | 90-110 |      | WC-353.2-L4_00010  |
| 22            | CCB     | 13:47 | Nitrocellulose | 1.0    |              |              |        | U    |                    |
| 32            | CCV     | 14:07 | Nitrocellulose | 8.40   | 8.40         | 100          | 90-110 |      | WC-353.2-L4_00010  |
| 33            | CCB     | 14:09 | Nitrocellulose | 1.0    |              |              |        | U    |                    |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN  
METHOD BLANK  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton

Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

| Method                       | Lab Sample ID                              | Analyte                             | Result                          | Qual | Units | LOQ   | Dil |
|------------------------------|--------------------------------------------|-------------------------------------|---------------------------------|------|-------|-------|-----|
| Batch ID: 69587<br>9012A/DoD | Date: 12/20/2012 09:55<br>MB 240-69525/3-A | Prep Batch: 69525<br>Cyanide, Total | Date: 12/20/2012 08:25<br>0.25  | U    | mg/Kg | 0.51  | 1   |
| Batch ID: 70054<br>9012A/DoD | Date: 12/24/2012 13:11<br>MB 240-69982/1-A | Prep Batch: 69982<br>Cyanide, Total | Date: 12/24/2012 09:16<br>0.010 | U    | mg/L  | 0.010 | 1   |
| Batch ID: 69010<br>9034      | Date: 12/17/2012 09:31<br>MB 240-68955/1-A | Prep Batch: 68955<br>Sulfide        | Date: 12/17/2012 09:31<br>2.5   | U    | mg/L  | 3.0   | 1   |
| Batch ID: 69009<br>9034      | Date: 12/17/2012 12:32<br>MB 240-68931/1-A | Prep Batch: 68931<br>Sulfide        | Date: 12/17/2012 08:28<br>27    | U    | mg/Kg | 30    | 1   |

3-IN  
METHOD BLANK  
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

| Method         | Lab Sample ID          | Analyte          | Result                 | Qual | Units | LOQ | Dil |
|----------------|------------------------|------------------|------------------------|------|-------|-----|-----|
| Batch ID: 8009 | Date: 12/27/2012 13:33 | Prep Batch: 7878 | Date: 12/27/2012 06:07 |      |       |     |     |
| WS-WC-0050     | MB 320-7816/1-B        | Nitrocellulose   | 1.0                    | U    | mg/L  | 2.0 | 1   |
| Batch ID: 8009 | Date: 12/27/2012 13:55 |                  |                        |      |       |     |     |
| WS-WC-0050     | MB 320-8009/26         | Nitrocellulose   | 2.5                    | U    | mg/L  | 5.0 | 1   |

5-IN  
MATRIX SPIKE SAMPLE RECOVERY  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Matrix: Water

| Method                                                                          | Lab Sample ID     | Analyte        | Result | C | Unit | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---------------------------------------------------------------------------------|-------------------|----------------|--------|---|------|--------------|-----------|--------|-----|-----------|---|
| Batch ID: 70054 Date: 12/24/2012 13:11 Prep Batch: 69982 Date: 12/24/2012 09:16 |                   |                |        |   |      |              |           |        |     |           |   |
| 9012A/D<br>oD                                                                   | 240-18735-6       | Cyanide, Total | 0.010  | U | mg/L |              |           |        |     |           |   |
| 9012A/D<br>oD                                                                   | 240-18735-6<br>MS | Cyanide, Total | 0.0316 |   | mg/L | 0.0400       | 79        | 42-140 |     |           |   |

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN  
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Matrix: Water

| Method    | Lab Sample ID | Analyte        | Result           | C           | Unit  | Spike<br>Amount | Pct.<br>Rec.     | Limits | RPD | RPD<br>Limit | Q |
|-----------|---------------|----------------|------------------|-------------|-------|-----------------|------------------|--------|-----|--------------|---|
| Batch ID: | 70054         | Date:          | 12/24/2012 14:06 | Prep Batch: | 69982 | Date:           | 12/24/2012 09:16 |        |     |              |   |
| 9012A/D   | 240-18735-6   | Cyanide, Total | 0.0323           |             | mg/L  | 0.0400          | 81               | 42-140 | 2   | 20           |   |
| oD        | MSD           |                |                  |             |       |                 |                  |        |     |              |   |

Calculations are performed before rounding to avoid round-off errors in calculated results.



6-IN  
DUPLICATE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Matrix: Solid

| Method                                 | Client<br>Sample ID | Lab<br>Sample ID | Analyte    | Result | Unit          | RPD | RPD<br>Limit | Qual |
|----------------------------------------|---------------------|------------------|------------|--------|---------------|-----|--------------|------|
| Batch ID: 68806 Date: 12/14/2012 10:08 |                     |                  |            |        |               |     |              |      |
| 1010                                   | 070-0058-0001-IDW   | 240-18735-5      | Flashpoint | >180   | Degree<br>s F |     |              |      |
| 1010                                   | 070-0058-0001-IDW   | 240-18735-5 DU   | Flashpoint | >180   | Degree<br>s F | NC  | 20           |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN  
LAB CONTROL SAMPLE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Matrix: Solid

| Method                                                                          | Lab Sample ID        | Analyte        | Result | C | Unit         | Spike Amount                   | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---------------------------------------------------------------------------------|----------------------|----------------|--------|---|--------------|--------------------------------|-----------|--------|-----|-----------|---|
| Batch ID: 68806 Date: 12/14/2012 09:30                                          |                      |                |        |   |              |                                |           |        |     |           |   |
|                                                                                 |                      |                |        |   |              | LCS Source: WCP-XYLENE_00009   |           |        |     |           |   |
| 1010                                                                            | LCS<br>240-68806/1   | Flashpoint     | 83.00  |   | Degrees<br>F | 81.0                           | 102       | 97-103 |     |           |   |
| Batch ID: 69587 Date: 12/20/2012 09:55 Prep Batch: 69525 Date: 12/20/2012 08:25 |                      |                |        |   |              |                                |           |        |     |           |   |
|                                                                                 |                      |                |        |   |              | LCS Source: WCCNLCS_00016      |           |        |     |           |   |
| 9012A/D<br>oD                                                                   | LCS<br>240-69525/4-A | Cyanide, Total | 2.14   |   | mg/Kg        | 2.49                           | 86        | 68-123 |     |           |   |
| Batch ID: 69009 Date: 12/17/2012 12:36 Prep Batch: 68931 Date: 12/17/2012 08:28 |                      |                |        |   |              |                                |           |        |     |           |   |
|                                                                                 |                      |                |        |   |              | LCS Source: WCSULFIDELCS_00315 |           |        |     |           |   |
| 9034                                                                            | LCS<br>240-68931/2-A | Sulfide        | 61.1   |   | mg/Kg        | 82.8                           | 74        | 70-130 |     |           |   |
| Batch ID: 68809 Date: 12/14/2012 17:08                                          |                      |                |        |   |              |                                |           |        |     |           |   |
|                                                                                 |                      |                |        |   |              | LCS Source: WCWIBBYPHLCS_00006 |           |        |     |           |   |
| 9045C                                                                           | LCS<br>240-68809/42  | Corrosivity    | 5.460  |   | SU           | 5.52                           | 99        | 97-103 |     |           |   |

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN  
LAB CONTROL SAMPLE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Matrix: Water

| Method                                                                          | Lab Sample ID        | Analyte        | Result | C | Unit         | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---------------------------------------------------------------------------------|----------------------|----------------|--------|---|--------------|--------------|-----------|--------|-----|-----------|---|
| Batch ID: 69660 Date: 12/20/2012 07:00                                          |                      |                |        |   |              |              |           |        |     |           |   |
| 1010                                                                            | LCS<br>240-69660/1   | Flashpoint     | 80.00  |   | Degrees<br>F | 81.0         | 99        | 97-103 |     |           |   |
| LCS Source: WCP-XYLENE_00009                                                    |                      |                |        |   |              |              |           |        |     |           |   |
| Batch ID: 70054 Date: 12/24/2012 13:47 Prep Batch: 69982 Date: 12/24/2012 09:16 |                      |                |        |   |              |              |           |        |     |           |   |
| 9012A/D<br>oD                                                                   | LCS<br>240-69982/2-A | Cyanide, Total | 0.0423 |   | mg/L         | 0.0498       | 85        | 69-118 |     |           |   |
| LCS Source: WCCNLCS_00016                                                       |                      |                |        |   |              |              |           |        |     |           |   |
| Batch ID: 69010 Date: 12/17/2012 09:31 Prep Batch: 68955 Date: 12/17/2012 09:31 |                      |                |        |   |              |              |           |        |     |           |   |
| 9034                                                                            | LCS<br>240-68955/2-A | Sulfide        | 7.66   |   | mg/L         | 8.20         | 93        | 70-130 |     |           |   |
| LCS Source: WCSULFIDELCS_00315                                                  |                      |                |        |   |              |              |           |        |     |           |   |
| Batch ID: 68653 Date: 12/13/2012 18:33                                          |                      |                |        |   |              |              |           |        |     |           |   |
| 9040C                                                                           | LCS<br>240-68653/2   | Corrosivity    | 5.520  |   | SU           | 5.52         | 100       | 97-103 |     |           |   |
| LCS Source: WCWIBBYPHLCS_00006                                                  |                      |                |        |   |              |              |           |        |     |           |   |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN  
METHOD REPORTING LIMIT CHECK  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Matrix: Solid

| Method                                 | Lab Sample ID | Analyte        | Result  | C | Unit | Spike Amount                  | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|----------------------------------------|---------------|----------------|---------|---|------|-------------------------------|-----------|--------|-----|-----------|---|
| Batch ID: 69587 Date: 12/20/2012 09:10 |               |                |         |   |      |                               |           |        |     |           |   |
|                                        |               |                |         |   |      | LCS Source: WCCN.01MRL1_00072 |           |        |     |           |   |
| 9012A/D                                | MRL           | Cyanide, Total | 0.00945 | J | mg/L | 0.0100                        | 95        | 70-130 |     |           |   |
| oD                                     | 240-69587/6   |                |         |   |      |                               |           |        |     |           |   |
| Batch ID: 69587 Date: 12/20/2012 10:17 |               |                |         |   |      |                               |           |        |     |           |   |
|                                        |               |                |         |   |      | LCS Source: WCCN.01MRL1_00072 |           |        |     |           |   |
| 9012A/D                                | MRL           | Cyanide, Total | 0.0103  |   | mg/L | 0.0100                        | 103       | 70-130 |     |           |   |
| oD                                     | 240-69587/29  |                |         |   |      |                               |           |        |     |           |   |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN  
METHOD REPORTING LIMIT CHECK  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Matrix: Water

| Method          | Lab Sample ID      | Analyte                | Result  | C                             | Unit | Spike<br>Amount | Pct.<br>Rec. | Limits | RPD | RPD<br>Limit | Q |
|-----------------|--------------------|------------------------|---------|-------------------------------|------|-----------------|--------------|--------|-----|--------------|---|
| Batch ID: 70054 |                    | Date: 12/24/2012 11:20 |         | LCS Source: WCCN.01MRL1_00073 |      |                 |              |        |     |              |   |
| 9012A/D<br>oD   | MRL<br>240-70054/6 | Cyanide, Total         | 0.00952 | J                             | mg/L | 0.0100          | 95           | 70-130 |     |              |   |

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN  
LAB CONTROL SAMPLE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Matrix: Water

| Method                                                                        | Lab Sample ID       | Analyte        | Result | C | Unit | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|-------------------------------------------------------------------------------|---------------------|----------------|--------|---|------|--------------|-----------|--------|-----|-----------|---|
| Batch ID: 8009 Date: 12/27/2012 13:35 Prep Batch: 7878 Date: 12/27/2012 06:07 |                     |                |        |   |      |              |           |        |     |           |   |
| LCS Source: HPNCSP_00007                                                      |                     |                |        |   |      |              |           |        |     |           |   |
| WS-WC-0<br>050                                                                | LCS<br>320-7816/2-B | Nitrocellulose | 5.13   |   | mg/L | 5.10         | 101       | 26-144 |     |           |   |
| Batch ID: 8009 Date: 12/27/2012 13:57                                         |                     |                |        |   |      |              |           |        |     |           |   |
| LCS Source: WC-353.2-ICV_00015                                                |                     |                |        |   |      |              |           |        |     |           |   |
| WS-WC-0<br>050                                                                | LCS<br>320-8009/27  | Nitrocellulose | 8.33   |   | mg/L | 8.40         | 99        | 26-144 |     |           |   |

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN  
METHOD REPORTING LIMIT CHECK  
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Matrix: Water

| Method                                | Lab Sample ID | Analyte        | Result | C | Unit | Spike Amount                  | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---------------------------------------|---------------|----------------|--------|---|------|-------------------------------|-----------|--------|-----|-----------|---|
| Batch ID: 8009 Date: 12/27/2012 13:23 |               |                |        |   |      |                               |           |        |     |           |   |
|                                       |               |                |        |   |      | LCS Source: WC-353.2-L1_00014 |           |        |     |           |   |
| WS-WC-0                               | MRL           | Nitrocellulose | 1.0    | U | mg/L | 0.420                         | 94        | 70-130 |     |           |   |
| 050                                   | 320-8009/10   |                |        |   |      |                               |           |        |     |           |   |
| Batch ID: 8009 Date: 12/27/2012 13:43 |               |                |        |   |      |                               |           |        |     |           |   |
|                                       |               |                |        |   |      | LCS Source: WC-353.2-L1_00014 |           |        |     |           |   |
| WS-WC-0                               | MRL           | Nitrocellulose | 1.0    | U | mg/L | 0.420                         | 104       | 70-130 |     |           |   |
| 050                                   | 320-8009/20   |                |        |   |      |                               |           |        |     |           |   |
| Batch ID: 8009 Date: 12/27/2012 14:05 |               |                |        |   |      |                               |           |        |     |           |   |
|                                       |               |                |        |   |      | LCS Source: WC-353.2-L1_00014 |           |        |     |           |   |
| WS-WC-0                               | MRL           | Nitrocellulose | 1.0    | U | mg/L | 0.420                         | 94        | 70-130 |     |           |   |
| 050                                   | 320-8009/31   |                |        |   |      |                               |           |        |     |           |   |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: WHITEY  
Method: 1010 LOQ Date: 01/28/2010 09:55

| Analyte    | Wavelength/<br>Mass | LOQ<br>(Degrees |  |
|------------|---------------------|-----------------|--|
| Flashpoint |                     | 1               |  |



9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: WHITEY  
Method: 1010 XRL Date: 01/28/2010 09:55

| Analyte    | Wavelength/<br>Mass | XRL<br>(Degrees |  |
|------------|---------------------|-----------------|--|
| Flashpoint |                     | 1               |  |

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: WHITEY  
Method: 1010 LOQ Date: 01/28/2010 09:55

| Analyte    | Wavelength/<br>Mass | LOQ<br>(Degrees |  |
|------------|---------------------|-----------------|--|
| Flashpoint |                     | 1               |  |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: WHITEY  
Method: 1010 XRL Date: 01/28/2010 09:55

| Analyte    | Wavelength/<br>Mass | XRL<br>(Degrees |  |
|------------|---------------------|-----------------|--|
| Flashpoint |                     | 1               |  |

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: NOEQUIP  
Method: 9034 DL Date: 01/27/2010 11:58  
Prep Method: 9030B

| Analyte | Wavelength/<br>Mass | LOQ<br>(mg/Kg) | DL<br>(mg/Kg) |
|---------|---------------------|----------------|---------------|
| Sulfide |                     | 30             | 22            |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: NOEQUIP  
Method: 9034 XMDL Date: 01/27/2010 11:59

| Analyte | Wavelength/<br>Mass | XRL<br>(mg/L) | XMDL<br>(mg/L) |
|---------|---------------------|---------------|----------------|
| Sulfide |                     | 3             | 0.94           |

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: NOEQUIP  
Method: 9034 DL Date: 01/27/2010 12:17  
Prep Method: 9030B

| Analyte | Wavelength/<br>Mass | LOQ<br>(mg/L) | DL<br>(mg/L) |
|---------|---------------------|---------------|--------------|
| Sulfide |                     | 3             | 0.94         |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: NOEQUIP  
Method: 9034 XMDL Date: 01/27/2010 12:18

| Analyte | Wavelength/<br>Mass | XRL<br>(mg/L) | XMDL<br>(mg/L) |
|---------|---------------------|---------------|----------------|
| Sulfide |                     | 3             | 0.94           |

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: Randolph  
Method: 9040C LOQ Date: 01/28/2010 09:54

| Analyte     | Wavelength/<br>Mass | LOQ<br>(SU) |  |
|-------------|---------------------|-------------|--|
| Corrosivity |                     | 0.1         |  |



9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: Randolph  
Method: 9040C XRL Date: 01/28/2010 09:54

| Analyte     | Wavelength/<br>Mass | XRL<br>(SU) |  |
|-------------|---------------------|-------------|--|
| Corrosivity |                     | 0.1         |  |

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: Randolph  
Method: 9045C LOQ Date: 01/28/2010 09:54

| Analyte     | Wavelength/<br>Mass | LOQ<br>(SU) |  |
|-------------|---------------------|-------------|--|
| Corrosivity |                     | 0.1         |  |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: Randolph  
Method: 9045C XRL Date: 01/28/2010 09:54

| Analyte     | Wavelength/<br>Mass | XRL<br>(SU) |  |
|-------------|---------------------|-------------|--|
| Corrosivity |                     | 0.1         |  |

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: NOEQUIP  
Method: Moisture LOQ Date: 01/28/2010 09:24

| Analyte          | Wavelength/<br>Mass | LOQ<br>(%) |  |
|------------------|---------------------|------------|--|
| Percent Moisture |                     | 0.1        |  |
| Percent Solids   |                     | 0.1        |  |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: NOEQUIP  
Method: Moisture XRL Date: 01/28/2010 09:24

| Analyte          | Wavelength/<br>Mass | XRL<br>(mg/L) |  |
|------------------|---------------------|---------------|--|
| Percent Moisture |                     | 10            |  |
| Percent Solids   |                     | 10            |  |

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: SAURON  
Method: 9012A/DoD DL Date: 01/28/2010 09:11  
Prep Method: 9012A

| Analyte        | Wavelength/<br>Mass | LOQ<br>(mg/Kg) | DL<br>(mg/Kg) |
|----------------|---------------------|----------------|---------------|
| Cyanide, Total |                     | 0.5            | 0.1           |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: SAURON  
Method: 9012A/DoD XMDL Date: 01/28/2010 09:12

| Analyte        | Wavelength/<br>Mass | XRL<br>(mg/L) | XMDL<br>(mg/L) |
|----------------|---------------------|---------------|----------------|
| Cyanide, Total |                     | 0.01          | 0.005          |

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: SAURON  
Method: 9012A/DoD DL Date: 01/28/2010 09:12  
Prep Method: 9012A

| Analyte        | Wavelength/<br>Mass | LOQ<br>(mg/L) | DL<br>(mg/L) |
|----------------|---------------------|---------------|--------------|
| Cyanide, Total |                     | 0.01          | 0.005        |



9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: SAURON  
Method: 9012A/DoD XMDL Date: 01/28/2010 09:13

| Analyte        | Wavelength/<br>Mass | XRL<br>(mg/L) | XMDL<br>(mg/L) |
|----------------|---------------------|---------------|----------------|
| Cyanide, Total |                     | 0.01          | 0.005          |

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: FS4  
Method: WS-WC-0050 DL Date: 03/15/2011 14:37  
Prep Method: 353 (NCell-Hyd)

| Analyte        | Wavelength/<br>Mass | LOQ<br>(mg/L) | DL<br>(mg/L) |
|----------------|---------------------|---------------|--------------|
| Nitrocellulose |                     | 2             | 0.475        |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18735-2  
SDG Number: \_\_\_\_\_  
Matrix: Water Instrument ID: FS4  
Method: WS-WC-0050 XMDL Date: 03/15/2011 14:36

| Analyte        | Wavelength/<br>Mass | XRL<br>(mg/L) | XMDL<br>(mg/L) |
|----------------|---------------------|---------------|----------------|
| Nitrocellulose |                     | 2             | 0.475          |

11-IN  
LINEAR RANGES  
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento

Job No: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: FS4

Date: 07/31/2011 19:29

| Analyte        | Integ.<br>Time<br>(Sec.) | Concentration<br>(mg/L) | Method     |
|----------------|--------------------------|-------------------------|------------|
| Nitrocellulose |                          | 16.8                    | WS-WC-0050 |

12-IN  
PREPARATION LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Prep Method: 9030B

| Lab<br>Sample<br>ID | Preparation<br>Date | Prep<br>Batch | Initial<br>Weight<br>(g) | Initial<br>Volume | Final<br>Volume<br>(mL) |
|---------------------|---------------------|---------------|--------------------------|-------------------|-------------------------|
| MB 240-68931/1-A    | 12/17/2012 08:28    | 68931         | 4.99                     |                   | 50                      |
| LCS 240-68931/2-A   | 12/17/2012 08:28    | 68931         | 4.95                     |                   | 50                      |
| 240-18735-5         | 12/17/2012 13:42    | 68931         | 4.97                     |                   | 50                      |

12-IN  
PREPARATION LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Prep Method: 9030B

| Lab<br>Sample<br>ID | Preparation<br>Date | Prep<br>Batch | Initial<br>Weight | Initial<br>Volume<br>(mL) | Final<br>Volume<br>(mL) |
|---------------------|---------------------|---------------|-------------------|---------------------------|-------------------------|
| MB 240-68955/1-A    | 12/17/2012 09:31    | 68955         |                   | 50                        | 50                      |
| LCS 240-68955/2-A   | 12/17/2012 09:31    | 68955         |                   | 50                        | 50                      |
| 240-18735-6         | 12/17/2012 09:31    | 68955         |                   | 50                        | 50                      |

12-IN  
PREPARATION LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Prep Method: 9012A

| Lab<br>Sample<br>ID | Preparation<br>Date | Prep<br>Batch | Initial<br>Weight<br>(g) | Initial<br>Volume | Final<br>Volume<br>(mL) |
|---------------------|---------------------|---------------|--------------------------|-------------------|-------------------------|
| MB 240-69525/3-A    | 12/20/2012 08:25    | 69525         | 0.99                     |                   | 25                      |
| LCS 240-69525/4-A   | 12/20/2012 08:25    | 69525         | 1.00                     |                   | 25                      |
| 240-18735-5         | 12/20/2012 08:25    | 69525         | 1.00                     |                   | 25                      |

12-IN  
PREPARATION LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Prep Method: 9012A

| Lab<br>Sample<br>ID | Preparation<br>Date | Prep<br>Batch | Initial<br>Weight | Initial<br>Volume<br>(mL) | Final<br>Volume<br>(mL) |
|---------------------|---------------------|---------------|-------------------|---------------------------|-------------------------|
| MB 240-69982/1-A    | 12/24/2012 09:16    | 69982         |                   | 50                        | 25                      |
| LCS 240-69982/2-A   | 12/24/2012 09:16    | 69982         |                   | 50                        | 25                      |
| 240-18735-6         | 12/24/2012 09:16    | 69982         |                   | 50                        | 25                      |
| 240-18735-6 MS      | 12/24/2012 09:16    | 69982         |                   | 50                        | 25                      |
| 240-18735-6 MSD     | 12/24/2012 09:16    | 69982         |                   | 50                        | 25                      |



12-IN  
PREPARATION LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Prep Method: 353 (NCell-Hyd)

| Lab<br>Sample<br>ID | Preparation<br>Date | Prep<br>Batch | Initial<br>Weight | Initial<br>Volume<br>(mL) | Final<br>Volume<br>(mL) |
|---------------------|---------------------|---------------|-------------------|---------------------------|-------------------------|
| MB 320-7816/1-B     | 12/27/2012 06:07    | 7878          |                   | 45                        | 40                      |
| LCS 320-7816/2-B    | 12/27/2012 06:07    | 7878          |                   | 45                        | 40                      |
| 240-18735-3         | 12/27/2012 06:07    | 7878          |                   | 45                        | 40                      |
| 240-18735-4         | 12/27/2012 06:07    | 7878          |                   | 45                        | 40                      |

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: WHITEY Method: 1010

Start Date: 12/14/2012 09:30 End Date: 12/14/2012 14:01

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | F<br>P   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-68806/1     | 1           | T                | 09:30 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5 DU      | 1           | T                | 10:08 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5         | 1           | T                | 10:47 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:26 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:05 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:43 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:22 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:01 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: WHITEY Method: 1010

Start Date: 12/20/2012 07:00 End Date: 12/20/2012 14:25

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | F<br>P   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-69660/1     | 1           | T                | 07:00 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 07:34 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:08 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 08:42 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:51 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 10:25 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 10:59 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 11:34 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:08 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:42 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:17 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:51 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-6         | 1           | T                | 14:25 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: NOEQUIP Method: 9034

Start Date: 12/17/2012 09:31 End Date: 12/17/2012 16:55

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | S<br>2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB 240-68955/1-A    | 1           | T                | 09:31 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-68955/2-A   | 1           | T                | 09:31 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 09:31 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:37 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:43 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:49 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:50 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:53 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-6         | 1           | T                | 16:55 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: NOEQUIP Method: 9034

Start Date: 12/17/2012 12:32 End Date: 12/17/2012 16:33

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | S<br>2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB 240-68931/1-A    | 1           | T                | 12:32 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-68931/2-A   | 1           | T                | 12:36 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:40 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:44 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:48 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:52 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 12:56 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5         | 1           | T                | 16:33 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: Randolph Method: 9040C

Start Date: 12/13/2012 18:31 End Date: 12/13/2012 18:47

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | C<br>o<br>r<br>r |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-68653/1     | 1           |                  | 18:31 | X                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-68653/2     | 1           | T                | 18:33 | X                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:36 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:39 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:41 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-6         | 1           | T                | 18:44 | X                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-68653/7     | 1           |                  | 18:47 | X                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: Randolph Method: 9045C

Start Date: 12/14/2012 15:19 End Date: 12/14/2012 18:15

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | C<br>o<br>r<br>r |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-68809/1     |             |                  | 15:19 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:22 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:25 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:27 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:30 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:33 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:35 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:38 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:41 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:43 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-68809/11    |             |                  | 15:46 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:49 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:51 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:54 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:57 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 15:59 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:02 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:05 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:07 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:10 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-68809/21    |             |                  | 16:13 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:15 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:18 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:21 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:23 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:26 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:29 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:31 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:34 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:36 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-68809/31    |             |                  | 16:39 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:42 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:44 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:47 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:50 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:52 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:55 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 16:58 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:00 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:03 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-68809/41    | 1           |                  | 17:06 | X                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-68809/42    | 1           | T                | 17:08 | X                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: Randolph Method: 9045C

Start Date: 12/14/2012 15:19 End Date: 12/14/2012 18:15

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | C<br>o<br>r<br>r |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:11 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:14 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:16 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:19 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:22 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:24 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:27 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:30 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:32 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-68809/52    | 1           |                  | 17:35 | X                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:38 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:40 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:43 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5         | 1           | T                | 17:46 | X                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:48 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:51 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-68809/59    | 1           |                  | 17:54 | X                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:56 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 17:59 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:02 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:04 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:07 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:10 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-68809/66    |             |                  | 18:12 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 18:15 |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA



13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

[illegible]

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

[illegible]

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

[illegible]

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

[illegible]

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2  
SDG No.: \_\_\_\_\_  
Instrument ID: NOEQUIP Method: Moisture  
Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Prep Types

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: SAURON Method: 9012A/DoD

Start Date: 12/20/2012 09:08 End Date: 12/20/2012 10:19

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | C<br>N   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICV 240-69587/4     | 1           |                  | 09:10 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICB 240-69587/5     | 1           |                  | 09:10 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MRL 240-69587/6     | 1           | T                | 09:10 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69587/7     | 1           |                  | 09:55 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69587/8     | 1           |                  | 09:55 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCVH 240-69525/1-A  | 1           |                  | 09:55 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCVL 240-69525/2-A  | 1           |                  | 09:55 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB 240-69525/3-A    | 1           | T                | 09:55 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-69525/4-A   | 1           | T                | 09:55 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69587/17    | 1           |                  | 09:59 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69587/18    | 1           |                  | 09:59 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-5         | 1           | T                | 09:59 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-69587/22    | 1           |                  | 10:00 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-69587/23    | 1           |                  | 10:00 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MRL 240-69587/29    | 1           | T                | 10:17 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: SAURON Method: 9012A/DoD

Start Date: 12/24/2012 11:18 End Date: 12/24/2012 14:07

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | C<br>N   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICV 240-70054/4     | 1           |                  | 11:20 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICB 240-70054/5     | 1           |                  | 11:20 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MRL 240-70054/6     | 1           | T                | 11:20 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCVL 240-69982/25-A | 1           |                  | 12:45 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70054/31    | 1           |                  | 12:58 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70054/32    | 1           |                  | 12:58 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB 240-69982/1-A    | 1           | T                | 13:11 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-6         | 1           | T                | 13:11 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-6 MS      | 1           | T                | 13:11 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70054/42    | 1           |                  | 13:11 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70054/43    | 1           |                  | 13:11 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70054/49    | 1           |                  | 13:45 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70054/50    | 1           |                  | 13:45 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 240-69982/2-A   | 2           | T                | 13:47 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCVH 240-69982/26-A | 2           |                  | 13:47 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70054/53    | 1           |                  | 13:48 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70054/54    | 1           |                  | 13:48 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70054/55    | 1           |                  | 14:06 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70054/56    | 1           |                  | 14:06 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-6 MSD     | 1           | T                | 14:06 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70054/59    | 1           |                  | 14:07 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70054/60    | 1           |                  | 14:07 | X        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/27/2012 13:05 End Date: 12/27/2012 14:11

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | N<br>C<br>L |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:05 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STDO 320-8009/2 IC  |             |                  | 13:07 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STD1 320-8009/3 IC  |             |                  | 13:09 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STD2 320-8009/4 IC  |             |                  | 13:11 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STD3 320-8009/5 IC  |             |                  | 13:13 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STD4 320-8009/6 IC  |             |                  | 13:15 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STD5 320-8009/7 IC  |             |                  | 13:17 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICV 320-8009/8      | 1           |                  | 13:19 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICB 320-8009/9      | 1           |                  | 13:21 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MRL 320-8009/10     | 1           | T                | 13:23 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:25 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:27 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:29 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:31 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB 320-7816/1-B     | 1           | T                | 13:33 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 320-7816/2-B    | 1           | T                | 13:35 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:37 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:39 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:41 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MRL 320-8009/20     | 1           | T                | 13:43 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 320-8009/21     | 1           |                  | 13:45 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 320-8009/22     | 1           |                  | 13:47 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:49 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-3         | 1           | T                | 13:51 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-4         | 1           | T                | 13:53 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB 320-8009/26      | 1           | T                | 13:55 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCS 320-8009/27     | 1           | T                | 13:57 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:59 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:01 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:03 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MRL 320-8009/31     | 1           | T                | 14:05 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 320-8009/32     | 1           |                  | 14:07 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 320-8009/33     | 1           |                  | 14:09 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 14:11 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA



TestAmerica, Canton  
Sulfide Standardization

Na Thiosulfate Normality:

mL of Iodine Used:

Blank 1:

Blank 2:

Blank 3:

Iodine Normality: **0.028350**

Sample Volume:

Spike Amount:

LCS 1:

LCS 2:

LCS 3:

Sulfide Concentration: **8.20**

LCS TV: **1640**

Na Sulfide Concentration: **0.1171200**

Analyst: BW

Date: 12/17/2012

Batch: 69009, 10

TestAmerica, Canton  
Sulfide Standardization

Na Thiosulfate Normality:

mL of Iodine Used:

Blank 1:

Blank 2:

Blank 3:

Iodine Normality: **0.028350**

Sample Volume:

Spike Amount:

LCS 1:

LCS 2:

LCS 3:

Sulfide Concentration: **8.20**

LCS TV: **1640**

Na Sulfide Concentration: **0.1171200**

Analyst: BW

Date: 12/17/2012

Batch: 69009, 10

TestAmerica Laboratory  
Konelab 250 SAURON

Date : 2012-12-20

Time : 10.40

69587

SW846-9012A, 335.2, 335.4, 335.2CLPM, 4500CNE, I, G  
365.1, 365.2, 4500PE, 325.2, 4500CLE, SW846-9251, 375.

Test  
Unit

Cyanide  
mg/l

| Sample ID:       | Result  | Dilut | Man.dilut | Resp. | Date and Time    |
|------------------|---------|-------|-----------|-------|------------------|
| A-ICV            | 0.0985  |       |           | 0.106 | 2012-12-20 09.10 |
| B-ICB            | -0.0024 |       |           | 0.007 | 2012-12-20 09.10 |
| C-MRL            | 0.0094  |       |           | 0.019 | 2012-12-20 09.10 |
| CCV-CN           | 0.0952  |       |           | 0.102 | 2012-12-20 09.55 |
| CCB-CN           | 0.0003  |       |           | 0.010 | 2012-12-20 09.55 |
| CCVH 240-69525/1 | 0.1890  |       |           | 0.194 | 2012-12-20 09.55 |
| CCVL 240-69525/2 | 0.0522  |       |           | 0.060 | 2012-12-20 09.55 |
| MB 240-69525/3-A | 0.0003  |       |           | 0.010 | 2012-12-20 09.55 |
| LCS 240-69525/4- | 0.0858  |       |           | 0.093 | 2012-12-20 09.55 |
| 240-18710-A-1-K  | 0.0032  |       |           | 0.012 | 2012-12-20 09.55 |
| 240-19000-C-11-A | 0.0176  |       |           | 0.027 | 2012-12-20 09.55 |
| 240-19000-C-11-B | 0.1055  |       |           | 0.112 | 2012-12-20 09.55 |
| 240-19000-C-11-C | 0.1063  |       |           | 0.113 | 2012-12-20 09.55 |
| CCV-CN           | 0.1003  |       |           | 0.107 | 2012-12-20 09.59 |
| CCB-CN           | 0.0002  |       |           | 0.010 | 2012-12-20 09.59 |
| 240-18972-W-1-A  | 0.0050  |       |           | 0.014 | 2012-12-20 09.59 |
| 240-18972-Z-2-B  | -0.0003 |       |           | 0.009 | 2012-12-20 09.59 |
| 240-18735-B-5-B  | 0.0021  |       |           | 0.011 | 2012-12-20 09.59 |
| CCV-CN           | 0.1032  |       |           | 0.110 | 2012-12-20 10.00 |
| CCB-CN           | 0.0001  |       |           | 0.009 | 2012-12-20 10.00 |
| CCV-CN           | 0.0996  |       |           | 0.107 | 2012-12-20 10.17 |
| CCB-CN           | 0.0004  |       |           | 0.010 | 2012-12-20 10.17 |
| 240-19000-C-12-A | 0.0451  |       |           | 0.053 | 2012-12-20 10.17 |
| 240-19000-C-16-A | 0.0806  |       |           | 0.088 | 2012-12-20 10.17 |
| 240-19000-C-17-A | 0.0341  |       |           | 0.043 | 2012-12-20 10.17 |
| CLOSING MRL      | 0.0103  |       |           | 0.019 | 2012-12-20 10.17 |
| CCV-CN           | 0.0968  |       |           | 0.104 | 2012-12-20 10.19 |
| CCB-CN           | 0.0001  |       |           | 0.009 | 2012-12-20 10.19 |

TestAmerica Laboratory

Konelab 250 SAURON

SW846-9012A, 335.2, 335.4, 335.2CLPM, 4500CNE, I, G

365.1, 365, 2, 4500PE, 325.2, 4500CLE, SW846-9251, 375.

20.12.2012 10:40

Test: Cyanide

| Sample Id        | Result  | Dil. 1 + | Response | Errors |
|------------------|---------|----------|----------|--------|
| A-ICV            | 0.0985  | 0.0      | 0.106    |        |
| B-ICB            | -0.0024 | 0.0      | 0.007    |        |
| C-MRL            | 0.0094  | 0.0      | 0.019    |        |
| CCV-CN           | 0.0952  | 0.0      | 0.102    |        |
| CCB-CN           | 0.0003  | 0.0      | 0.010    |        |
| CCVH 240-69525/1 | 0.1890  | 0.0      | 0.194    |        |
| CCVL 240-69525/2 | 0.0522  | 0.0      | 0.060    |        |
| MB 240-69525/3-A | 0.0003  | 0.0      | 0.010    |        |
| LCS 240-69525/4- | 0.0858  | 0.0      | 0.093    |        |
| 240-18710-A-1-K  | 0.0032  | 0.0      | 0.012    |        |
| 240-19000-C-11-A | 0.0176  | 0.0      | 0.027    |        |
| 240-19000-C-11-B | 0.1055  | 0.0      | 0.112    |        |
| 240-19000-C-11-C | 0.1063  | 0.0      | 0.113    |        |
| 240-19000-C-12-A | 0.0444  | 0.0      | 0.053    |        |
| 240-19000-C-16-A | 0.0747  | 0.0      | 0.082    |        |
| CCV-CN           | 0.1003  | 0.0      | 0.107    |        |
| CCB-CN           | 0.0002  | 0.0      | 0.010    |        |
| 240-19000-C-17-A | 0.0341  | 0.0      | 0.043    |        |
| 240-18972-W-1-A  | 0.0050  | 0.0      | 0.014    |        |
| 240-18972-Z-2-B  | -0.0003 | 0.0      | 0.009    |        |
| 240-18735-B-5-B  | 0.0021  | 0.0      | 0.011    |        |
| CCV-CN           | 0.1032  | 0.0      | 0.110    |        |
| CCB-CN           | 0.0001  | 0.0      | 0.009    |        |
| CCV-CN           | 0.0996  | 0.0      | 0.107    |        |
| CCB-CN           | 0.0004  | 0.0      | 0.010    |        |
| 240-19000-C-12-A | 0.0451  | 0.0      | 0.053    |        |
| 240-19000-C-16-A | 0.0806  | 0.0      | 0.088    |        |
| 240-19000-C-17-A | 0.0341  | 0.0      | 0.043    |        |
| CLOSING MRL      | 0.0103  | 0.0      | 0.019    |        |
| CCV-CN           | 0.0968  | 0.0      | 0.104    |        |
| CCB-CN           | 0.0001  | 0.0      | 0.009    |        |

|      |         |
|------|---------|
| N    | 18      |
| Mean | 0.0494  |
| SD   | 0.05035 |
| CV%  | 101.83  |

TestAmerica Laboratory

Konelab 250 SAURON

SW846-9012A, 335.2, 335.4, 335.2CLPM, 4500CNE, I, G

365.1, 365, 2, 4500PE, 325.2, 4500CLE, SW846-9251, 375.

20.12.2012 09:26

Test Cyanide

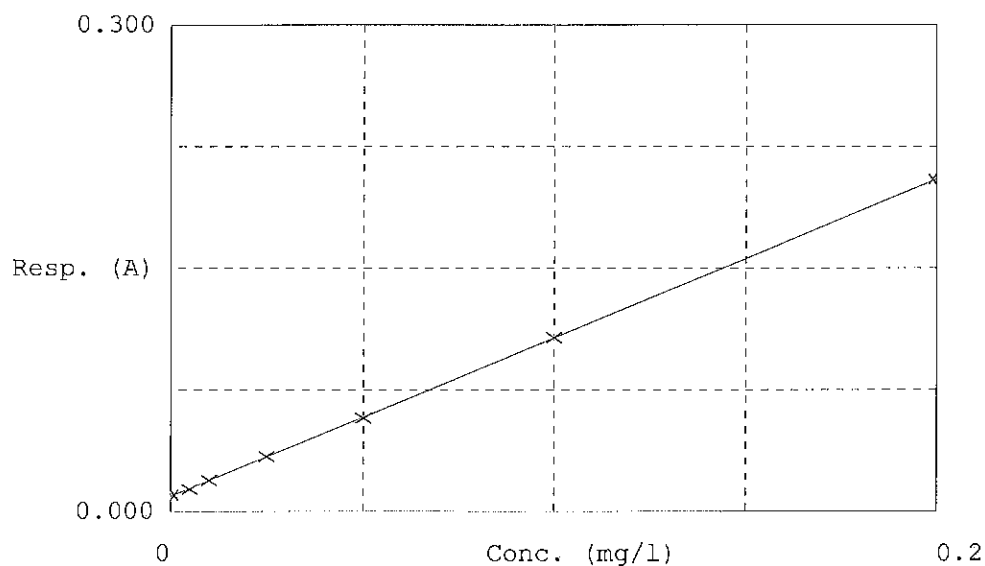
Accepted 20.12.2012 09:26

Factor 1.024

Bias 0.009

Coeff. of det. 0.999955

Errors



|    | Calibrator     | Response | Calc. con. | Conc.   | Errors |
|----|----------------|----------|------------|---------|--------|
| 1  | CN-0           | 0.010    | 0.00072    | 0.00000 |        |
| 2  | CN-0.2         | 0.014    | 0.00444    | 0.00500 |        |
| 3  | CN-0.2         | 0.019    | 0.01010    | 0.01000 |        |
| 4  | CN-0.2         | 0.034    | 0.02515    | 0.02500 |        |
| 5  | CN-0.2         | 0.058    | 0.04929    | 0.05000 |        |
| 6  | CN-0.2         | 0.107    | 0.10025    | 0.10000 |        |
| 7  | CN-0.2         | 0.205    | 0.20004    | 0.20000 |        |
| 8  | A-ICV(control) | 0.106    | 0.09846    | 0.10000 |        |
| 9  | B-ICB(control) | 0.007    | -0.00243   | 0.00000 |        |
| 10 | C-MRL(control) | 0.019    | 0.00945    | 0.01000 |        |

70054

Calibration results

AquaKem 6.5

Page: 1

TestAmerica Laboratory

Konelab 250 SAURON

SW846-9012A, 335.2, 335.4, 335.2CLPM, 4500CNE, I, G

365.1, 365, 2, 4500PE, 325.2, 4500CLE, SW846-9251, 375.

24.12.2012 11:25

Test Cyanide

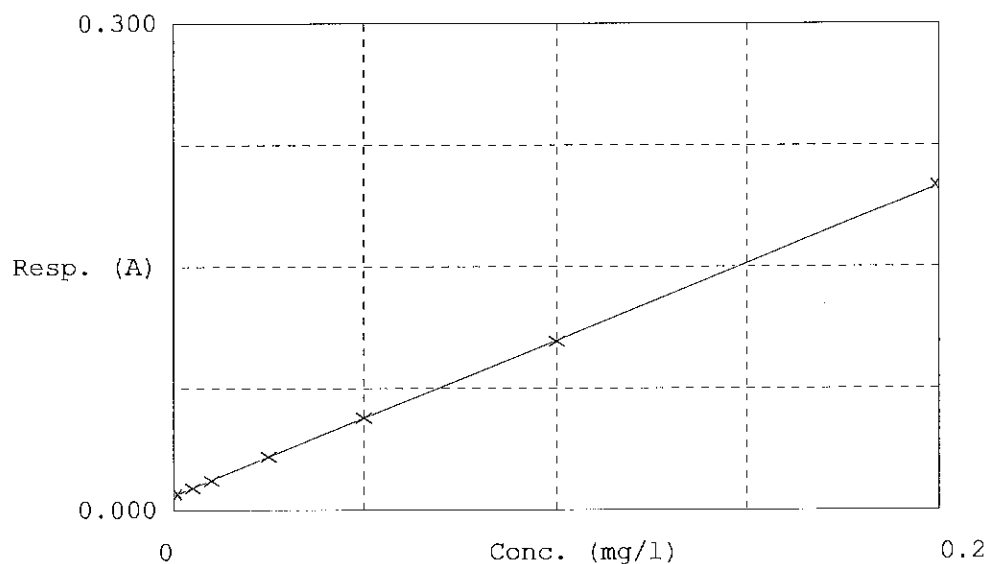
Accepted 24.12.2012 11:25

Factor 1.048

Bias 0.009

Coeff. of det. 0.999952

Errors



|    | Calibrator     | Response | Calc. con. | Conc.   | Errors |
|----|----------------|----------|------------|---------|--------|
| 1  | CN-0           | 0.010    | 0.00088    | 0.00000 |        |
| 2  | CN-0.2         | 0.014    | 0.00477    | 0.00500 |        |
| 3  | CN-0.2         | 0.018    | 0.00957    | 0.01000 |        |
| 4  | CN-0.2         | 0.033    | 0.02499    | 0.02500 |        |
| 5  | CN-0.2         | 0.057    | 0.05010    | 0.05000 |        |
| 6  | CN-0.2         | 0.104    | 0.09937    | 0.10000 |        |
| 7  | CN-0.2         | 0.200    | 0.20032    | 0.20000 |        |
| 8  | A-ICV(control) | 0.105    | 0.09992    | 0.10000 |        |
| 9  | B-ICB(control) | 0.009    | -0.00014   | 0.00000 |        |
| 10 | C-MRL(control) | 0.018    | 0.00952    | 0.01000 |        |

TestAmerica Laboratory  
Konelab 250 SAURON

Date : 2012-12-24

Time : 16.31

SW846-9012A, 335.2, 335.4, 335.2CLPM, 4500CNE, I, G  
365.1, 365.2, 4500PE, 325.2, 4500CLE, SW846-9251, 375.

Test  
Unit Cyanide  
mg/l

| Sample ID:       | Result  | Dilut | Man.dilut | Resp. | Date and Time    |
|------------------|---------|-------|-----------|-------|------------------|
| A-ICV            | 0.0999  |       |           | 0.105 | 2012-12-24 11.20 |
| B-ICB            | -0.0001 |       |           | 0.009 | 2012-12-24 11.20 |
| C-MRL            | 0.0095  |       |           | 0.018 | 2012-12-24 11.20 |
| CCV-CN           | 0.0977  |       |           | 0.102 | 2012-12-24 12.39 |
| CCB-CN           | 0.0009  |       |           | 0.010 | 2012-12-24 12.39 |
| 240-18957-A-3-B  | 0.0064  |       |           | 0.015 | 2012-12-24 12.39 |
| 240-18957-A-3-B  | 0.0064  |       |           | 0.015 | 2012-12-24 12.39 |
| 240-18957-A-4-B  | 0.0136  |       |           | 0.022 | 2012-12-24 12.39 |
| 240-18957-A-5-B  | 0.0066  |       |           | 0.016 | 2012-12-24 12.39 |
| 240-19064-A-6-B  | 0.1915  |       |           | 0.192 | 2012-12-24 12.39 |
| 240-18827-K-1-A  | 0.0083  |       |           | 0.017 | 2012-12-24 12.39 |
| 240-18827-K-2-A  | 0.0024  |       |           | 0.012 | 2012-12-24 12.39 |
| 240-18827-K-3-A  | 0.0093  |       |           | 0.018 | 2012-12-24 12.39 |
| 240-18827-K-4-A  | 0.0022  |       |           | 0.011 | 2012-12-24 12.39 |
| 240-18827-K-5-A  | 0.0033  |       |           | 0.012 | 2012-12-24 12.39 |
| CCV-CN           | 0.0935  |       |           | 0.098 | 2012-12-24 12.45 |
| CCB-CN           | 0.0010  |       |           | 0.010 | 2012-12-24 12.45 |
| 240-18957-A-4-B  | 0.0136  |       |           | 0.022 | 2012-12-24 12.45 |
| 240-18957-A-5-B  | 0.0068  |       |           | 0.016 | 2012-12-24 12.45 |
| 240-19064-A-6-B  | 0.1953  |       |           | 0.196 | 2012-12-24 12.45 |
| 240-18827-K-2-A  | 0.0058  |       |           | 0.015 | 2012-12-24 12.45 |
| 240-18827-K-3-A  | 0.0035  |       |           | 0.013 | 2012-12-24 12.45 |
| 240-18827-K-4-A  | 0.0024  |       |           | 0.012 | 2012-12-24 12.45 |
| 240-18827-K-5-A  | 0.0380  |       |           | 0.045 | 2012-12-24 12.45 |
| 240-18827-K-6-A  | 0.0053  |       |           | 0.014 | 2012-12-24 12.45 |
| CCVL 240-69982/2 | 0.0522  |       |           | 0.059 | 2012-12-24 12.45 |
| CCV-CN           | 0.0944  |       |           | 0.099 | 2012-12-24 12.51 |
| CCB-CN           | 0.0005  |       |           | 0.010 | 2012-12-24 12.51 |
| CCV-CN           | 0.1005  |       |           | 0.105 | 2012-12-24 12.58 |
| CCB-CN           | 0.0005  |       |           | 0.010 | 2012-12-24 12.58 |
| MB 240-69982/1-A | 0.0014  |       |           | 0.011 | 2012-12-24 13.11 |
| 240-18735-A-6-A  | 0.0028  |       |           | 0.012 | 2012-12-24 13.11 |
| 240-18735-A-6-B  | 0.0631  |       |           | 0.069 | 2012-12-24 13.11 |
| 240-18850-F-1-A  | 0.0039  |       |           | 0.013 | 2012-12-24 13.11 |
| 240-18850-F-2-A  | 0.0012  |       |           | 0.010 | 2012-12-24 13.11 |
| 240-18850-F-3-A  | 0.0012  |       |           | 0.010 | 2012-12-24 13.11 |
| 240-18850-F-4-A  | 0.0009  |       |           | 0.010 | 2012-12-24 13.11 |
| 240-18850-F-5-A  | 0.0018  |       |           | 0.011 | 2012-12-24 13.11 |
| 240-18850-F-6-A  | 0.0024  |       |           | 0.012 | 2012-12-24 13.11 |
| CCV-CN           | 0.0931  |       |           | 0.098 | 2012-12-24 13.11 |
| CCB-CN           | 0.0009  |       |           | 0.010 | 2012-12-24 13.11 |
| 240-18850-F-8-A  | 0.0010  |       |           | 0.010 | 2012-12-24 13.13 |
| 240-18908-A-1-A  | 0.0045  |       |           | 0.014 | 2012-12-24 13.13 |
| 240-18957-A-2-B  | 0.0083  |       |           | 0.017 | 2012-12-24 13.13 |
| CCV-CN           | 0.0965  |       |           | 0.101 | 2012-12-24 13.15 |
| CCB-CN           | 0.0012  |       |           | 0.010 | 2012-12-24 13.15 |
| CCV-CN           | 0.0945  |       |           | 0.099 | 2012-12-24 13.45 |
| CCB-CN           | 0.0001  |       |           | 0.009 | 2012-12-24 13.45 |
| LCS 240-69982/2- | 0.0846  | 1+1.0 |           | 0.050 | 2012-12-24 13.47 |
| CCVH 240-69982/2 | 0.2092  | 1+1.0 |           | 0.109 | 2012-12-24 13.47 |
| CCV-CN           | 0.0987  |       |           | 0.103 | 2012-12-24 13.48 |

TestAmerica Laboratory  
Konelab 250 SAURON

Date : 2012-12-24  
Time : 16.31

SW846-9012A, 335.2, 335.4, 335.2CLPM, 4500CNE, I, G  
365.1, 365, 2, 4500PE, 325.2, 4500CLE, SW846-9251, 375.

Test Cyanide  
Unit mg/l

| Sample ID:      | Result | Dilut | Man.dilut | Resp. | Date and Time    |
|-----------------|--------|-------|-----------|-------|------------------|
| CCB-CN          | 0.0004 |       |           | 0.010 | 2012-12-24 13.48 |
| CCV-CN          | 0.0920 |       |           | 0.097 | 2012-12-24 14.06 |
| CCB-CN          | 0.0003 |       |           | 0.010 | 2012-12-24 14.06 |
| 240-18735-A-6-C | 0.0646 |       |           | 0.071 | 2012-12-24 14.06 |
| mrl2            | 0.0102 |       |           | 0.019 | 2012-12-24 14.06 |
| CCV-CN          | 0.0961 |       |           | 0.101 | 2012-12-24 14.07 |
| CCB-CN          | 0.0005 |       |           | 0.010 | 2012-12-24 14.07 |



TestAmerica Laboratory

Konelab 250 SAURON

SW846-9012A, 335.2, 335.4, 335.2CLPM, 4500CNE, I, G

365.1, 365, 2, 4500PE, 325.2, 4500CLE, SW846-9251, 375.

24.12.2012

14:29

Test: Cyanide

| Sample Id        | Result  | Dil. 1 + | Response | Errors |
|------------------|---------|----------|----------|--------|
| A-ICV            | 0.0999  | 0.0      | 0.105    |        |
| B-ICB            | -0.0001 | 0.0      | 0.009    |        |
| C-MRL            | 0.0095  | 0.0      | 0.018    |        |
| CCV-CN           | 0.0977  | 0.0      | 0.102    |        |
| CCB-CN           | 0.0009  | 0.0      | 0.010    |        |
| 240-18957-A-3-B  | 0.0064  | 0.0      | 0.015    |        |
| 240-18957-A-3-B  | 0.0064  | 0.0      | 0.015    |        |
| 240-18957-A-4-B  | 0.0136  | 0.0      | 0.022    |        |
| 240-18957-A-5-B  | 0.0066  | 0.0      | 0.016    |        |
| 240-19064-A-6-B  | 0.1915  | 0.0      | 0.192    |        |
| 240-18827-K-1-A  | 0.0083  | 0.0      | 0.017    |        |
| 240-18827-K-2-A  | 0.0024  | 0.0      | 0.012    |        |
| 240-18827-K-3-A  | 0.0093  | 0.0      | 0.018    |        |
| 240-18827-K-4-A  | 0.0022  | 0.0      | 0.011    |        |
| 240-18827-K-5-A  | 0.0033  | 0.0      | 0.012    |        |
| CCV-CN           | 0.0935  | 0.0      | 0.098    |        |
| CCB-CN           | 0.0010  | 0.0      | 0.010    |        |
| 240-18957-A-4-B  | 0.0136  | 0.0      | 0.022    |        |
| 240-18957-A-5-B  | 0.0068  | 0.0      | 0.016    |        |
| 240-19064-A-6-B  | 0.1953  | 0.0      | 0.196    |        |
| 240-18827-K-1-A  | -0.0041 | 0.0      | 0.005    |        |
| 240-18827-K-2-A  | 0.0058  | 0.0      | 0.015    |        |
| 240-18827-K-3-A  | 0.0035  | 0.0      | 0.013    |        |
| 240-18827-K-4-A  | 0.0024  | 0.0      | 0.012    |        |
| 240-18827-K-5-A  | 0.0380  | 0.0      | 0.045    |        |
| 240-18827-K-6-A  | 0.0053  | 0.0      | 0.014    |        |
| CCVL 240-69982/2 | 0.0522  | 0.0      | 0.059    |        |
| CCV-CN           | 0.0944  | 0.0      | 0.099    |        |
| CCB-CN           | 0.0005  | 0.0      | 0.010    |        |
| MB 240-69982/1-A | 0.0011  | 0.0      | 0.010    |        |
| 240-18735-A-6-A  | 0.0029  | 0.0      | 0.012    |        |
| 240-18735-A-6-B  | 0.0675  | 0.0      | 0.074    |        |
| 240-18735-A-6-C  | 0.0598  | 0.0      | 0.066    |        |
| 240-18850-F-1-A  | 0.0034  | 0.0      | 0.012    |        |
| 240-18850-F-2-A  | 0.0011  | 0.0      | 0.010    |        |
| 240-18850-F-3-A  | 0.0015  | 0.0      | 0.011    |        |
| 240-18850-F-4-A  | 0.0008  | 0.0      | 0.010    |        |
| 240-18850-F-5-A  | 0.0015  | 0.0      | 0.011    |        |
| 240-18850-F-6-A  | 0.0020  | 0.0      | 0.011    |        |
| CCV-CN           | 0.0955  | 0.0      | 0.100    |        |
| CCB-CN           | 0.0175  | 0.0      | 0.026    |        |
| 240-18850-F-8-A  | 0.0014  | 0.0      | 0.011    |        |
| 240-18908-A-1-A  | 0.0039  | 0.0      | 0.013    |        |
| 240-18957-A-2-B  | 0.0084  | 0.0      | 0.017    |        |
| LCS 240-69982/2- | 0.0824  | 1.0      | 0.049    |        |
| CCVH 240-69982/2 | 0.2036  | 1.0      | 0.106    |        |
| CCV-CN           | 0.1005  | 0.0      | 0.105    |        |
| CCB-CN           | 0.0005  | 0.0      | 0.010    |        |
| MB 240-69982/1-A | 0.0014  | 0.0      | 0.011    |        |
| 240-18735-A-6-A  | 0.0028  | 0.0      | 0.012    |        |
| 240-18735-A-6-B  | 0.0631  | 0.0      | 0.069    |        |
| 240-18735-A-6-C  | 0.0581  | 0.0      | 0.065    |        |
| 240-18850-F-1-A  | 0.0039  | 0.0      | 0.013    |        |
| 240-18850-F-2-A  | 0.0012  | 0.0      | 0.010    |        |
| 240-18850-F-3-A  | 0.0012  | 0.0      | 0.010    |        |

Rule 1 violated

TestAmerica Laboratory

Konelab 250 SAURON

SW846-9012A, 335.2, 335.4, 335.2CLPM, 4500CNE, I, G

365.1, 365, 2, 4500PE, 325.2, 4500CLE, SW846-9251, 375.

24.12.2012

14:29

Test: Cyanide

| Sample Id        | Result | Dil. 1 + | Response | Errors          |
|------------------|--------|----------|----------|-----------------|
| 240-18850-F-4-A  | 0.0009 | 0.0      | 0.010    |                 |
| 240-18850-F-5-A  | 0.0018 | 0.0      | 0.011    |                 |
| 240-18850-F-6-A  | 0.0024 | 0.0      | 0.012    |                 |
| CCV-CN           | 0.0931 | 0.0      | 0.098    |                 |
| CCB-CN           | 0.0009 | 0.0      | 0.010    |                 |
| 240-18850-F-8-A  | 0.0010 | 0.0      | 0.010    |                 |
| 240-18908-A-1-A  | 0.0045 | 0.0      | 0.014    |                 |
| 240-18957-A-2-B  | 0.0083 | 0.0      | 0.017    |                 |
| CCV-CN           | 0.0965 | 0.0      | 0.101    |                 |
| CCB-CN           | 0.0012 | 0.0      | 0.010    |                 |
| LCS 240-69982/2- | 0.0870 | 1.0      | 0.051    |                 |
| CCVH 240-69982/2 | 0.2559 | 1.0      | 0.131    |                 |
| CCV-CN           | 0.0986 | 0.0      | 0.103    |                 |
| CCB-CN           | 0.0113 | 0.0      | 0.020    | Rule 1 violated |
| CCV-CN           | 0.0945 | 0.0      | 0.099    |                 |
| CCB-CN           | 0.0001 | 0.0      | 0.009    |                 |
| 240-18735-A-6-C  | 0.0494 | 0.0      | 0.056    |                 |
| mrl2             | 0.0104 | 0.0      | 0.019    |                 |
| LCS 240-69982/2- | 0.0846 | 1.0      | 0.050    |                 |
| CCVH 240-69982/2 | 0.2092 | 1.0      | 0.109    |                 |
| CCV-CN           | 0.0987 | 0.0      | 0.103    |                 |
| CCB-CN           | 0.0004 | 0.0      | 0.010    |                 |
| CCV-CN           | 0.0920 | 0.0      | 0.097    |                 |
| CCB-CN           | 0.0003 | 0.0      | 0.010    |                 |
| 240-18735-A-6-C  | 0.0646 | 0.0      | 0.071    |                 |
| mrl2             | 0.0102 | 0.0      | 0.019    |                 |
| CCV-CN           | 0.0961 | 0.0      | 0.101    |                 |
| CCB-CN           | 0.0005 | 0.0      | 0.010    |                 |

N 56  
Mean 0.0345  
SD 0.06149  
CV% 178.23

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122712A.RST

Date: 27-Dec-12

Operator: JB

| Peak | Cup | Name             | R   | Type | Dil | Wt | Height | Calc. (ppm) | Flags        |
|------|-----|------------------|-----|------|-----|----|--------|-------------|--------------|
| 1    | 105 | Sync             | 1   | SYNC |     | 1  | 1      | 126535      | 0.994448     |
| B    | 0   | Baseline         | 1   | RB   |     | 1  | 1      | 0           | -0.008587 BL |
| 3    | 0   | Cal 0            | 1   | C    |     | 1  | 1      | -65         | -0.009101 LO |
| 4    | 102 | Cal 1            | 1   | C    |     | 1  | 1      | 8294        | 0.057159     |
| 5    | 103 | Cal 2            | 1   | C    |     | 1  | 1      | 26707       | 0.203121     |
| 6    | 104 | Cal 3            | 1   | C    |     | 1  | 1      | 51236       | 0.397558     |
| 7    | 105 | Cal 4            | 1   | C    |     | 1  | 1      | 127555      | 1.002533     |
| 8    | 106 | Cal 5            | 1   | C    |     | 1  | 1      | 253228      | 1.998731     |
| 9    | 107 | ICV              | 1   | U    |     | 1  | 1      | 127315      | 1.000627     |
| 10   | 0   | BLANK/ICB        | 1   | BLNK |     | 1  | 1      | 219         | -0.006853 LO |
| 11   | 102 | MRL              | 1   | U    |     | 1  | 1      | 7034        | 0.047168     |
| 12   | 108 | NO2 1PPM         | 1   | U    |     | 1  | 1      | 127518      | 1.002237     |
| 13   | 109 | NO3 1PPM         | 1   | U    |     | 1  | 1      | 126350      | 0.992981     |
| 14   | 0   | Blank            | 1   | BLNK |     | 1  | 1      | -23         | -0.008772 LO |
| B    | 0   | Baseline         | 1   | RB   |     | 1  | 1      | 0           | -0.008587 BL |
| 16   | 113 | mb 320-7816/1-b  | 1   | U    |     | 1  | 1      | 5036        | 0.031336     |
| 17   | 114 | lcs 320-7816/2-b | 1   | U    |     | 1  | 1      | 193406      | 1.524529     |
| 18   | 115 | 240-18703-s-24-g | 1   | U    |     | 1  | 1      | 5086        | 0.031730     |
| 19   | 116 | 240-18703-s-24-h | ms  | 1    | U   | 1  | 1      | 188812      | 1.488111     |
| 20   | 117 | 240-18703-s-24-i | msd | 1    | U   | 1  | 1      | 190655      | 1.502721     |
| 21   | 102 | MRL              | 1   | U    |     | 1  | 1      | 7631        | 0.051901     |
| 22   | 105 | CCV              | 1   | U    |     | 1  | 1      | 126549      | 0.994556     |
| 23   | 0   | Blank            | 1   | BLNK |     | 1  | 1      | -115        | -0.009501 LO |
| B    | 0   | Baseline         | 1   | RB   |     | 1  | 1      | 0           | -0.008587 BL |
| 25   | 118 | 240-18735-q-3-c  | 1   | U    |     | 1  | 1      | 3286        | 0.017461     |
| 26   | 119 | 240-18735-q-4-c  | 1   | U    |     | 1  | 1      | 6143        | 0.040106     |
| 27   | 120 | MB               | 1   | U    |     | 1  | 1      | 42          | -0.008254 LO |
| 28   | 121 | LCS              | 1   | U    |     | 1  | 1      | 126110      | 0.991075     |
| 29   | 122 | 320-1301-c-1     | 1   | U    |     | 1  | 1      | 105799      | 0.830072     |
| 30   | 123 | MS 320-1301-c-1  | 1   | U    |     | 1  | 1      | 206937      | 1.631782     |
| 31   | 124 | MSD 320-1301-c-1 | 1   | U    |     | 1  | 1      | 208023      | 1.640392     |
| 32   | 102 | MRL              | 1   | U    |     | 1  | 1      | 6955        | 0.046542     |
| 33   | 105 | CCV              | 1   | U    |     | 1  | 1      | 127273      | 1.000294     |
| 34   | 0   | BLANK            | 1   | BLNK |     | 1  | 1      | 2           | -0.008573 LO |
| B    | 0   | Baseline         | 1   | RB   |     | 1  | 1      | 0           | -0.008587 BL |

Page 3262 of 3295

| Cup | Name             | S     | 1:Time   | 1:Value | 1:S |
|-----|------------------|-------|----------|---------|-----|
| 0   | Baseline         | C     | 13:05:43 | -0.01   | [C] |
| 0   | Cal 0            | C     | 13:07:43 | -0.01   | [C] |
| 102 | Cal 1            | C     | 13:09:43 | 0.06    | [C] |
| 103 | Cal 2            | C     | 13:11:44 | 0.20    | [C] |
| 104 | Cal 3            | C     | 13:13:44 | 0.40    | [C] |
| 105 | Cal 4            | C     | 13:15:44 | 1.00    | [C] |
| 106 | Cal 5            | C     | 13:17:44 | 2.00    | [C] |
| 107 | ICV              | -     | 13:19:44 | 1.00    | [-] |
| 0   | BLANK/ICB        | C     | 13:21:44 | -0.01   | [C] |
| 102 | MRL              | -     | 13:23:45 | 0.05    | [-] |
| 108 | N02 1PPM         | -     | 13:25:45 | 1.00    | [-] |
| 109 | N03 1PPM         | -     | 13:27:45 | 0.99    | [-] |
| 0   | Blank            | C     | 13:29:45 | -0.01   | [C] |
| 0   | Baseline         | C     | 13:31:45 | -0.01   | [C] |
| 113 | mb 320-7816/1-b  | -     | 13:33:45 | 0.03    | [-] |
| 114 | lcs 320-7816/2-b | -     | 13:35:46 | 1.52    | [-] |
| 115 | 240-18703-s-24-g | -     | 13:37:46 | 0.03    | [-] |
| 116 | 240-18703-s-24-h | ms -  | 13:39:46 | 1.49    | [-] |
| 117 | 240-18703-s-24-i | msd - | 13:41:46 | 1.50    | [-] |
| 102 | MRL              | -     | 13:43:46 | 0.05    | [-] |
| 105 | CCV              | -     | 13:45:46 | 0.99    | [-] |
| 0   | Blank            | C     | 13:47:47 | -0.01   | [C] |
| 0   | Baseline         | C     | 13:49:47 | -0.01   | [C] |
| 118 | 240-18735-q-3-c  | -     | 13:51:47 | 0.02    | [-] |
| 119 | 240-18735-q-4-c  | -     | 13:53:47 | 0.04    | [-] |
| 120 | MB               | -     | 13:55:47 | -0.01   | [-] |
| 121 | LCS              | -     | 13:57:47 | 0.99    | [-] |
| 122 | 320-1301-c-1     | -     | 13:59:48 | 0.83    | [-] |
| 123 | MS 320-1301-c-1  | -     | 14:01:48 | 1.63    | [-] |
| 124 | MSD 320-1301-c-1 | -     | 14:03:48 | 1.64    | [-] |
| 102 | MRL              | -     | 14:05:48 | 0.05    | [-] |
| 105 | CCV              | -     | 14:07:48 | 1.00    | [-] |
| 0   | BLANK            | C     | 14:09:49 | -0.01   | [C] |
| 0   | Baseline         | C     | 14:11:49 | -0.01   | [C] |

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122712A.RST

Date: 27-Dec-12

Operator: JB

| * Name  | Conc     | Height        |
|---------|----------|---------------|
| * Cal 0 | 0.000000 | -64.945419    |
| * Cal 1 | 0.050000 | 8293.914062   |
| * Cal 2 | 0.200000 | 26707.492188  |
| * Cal 3 | 0.400000 | 51236.093750  |
| * Cal 4 | 1.000000 | 127555.218750 |
| * Cal 5 | 2.000000 | 253228.000000 |

Calib Coef:

y=bx+a

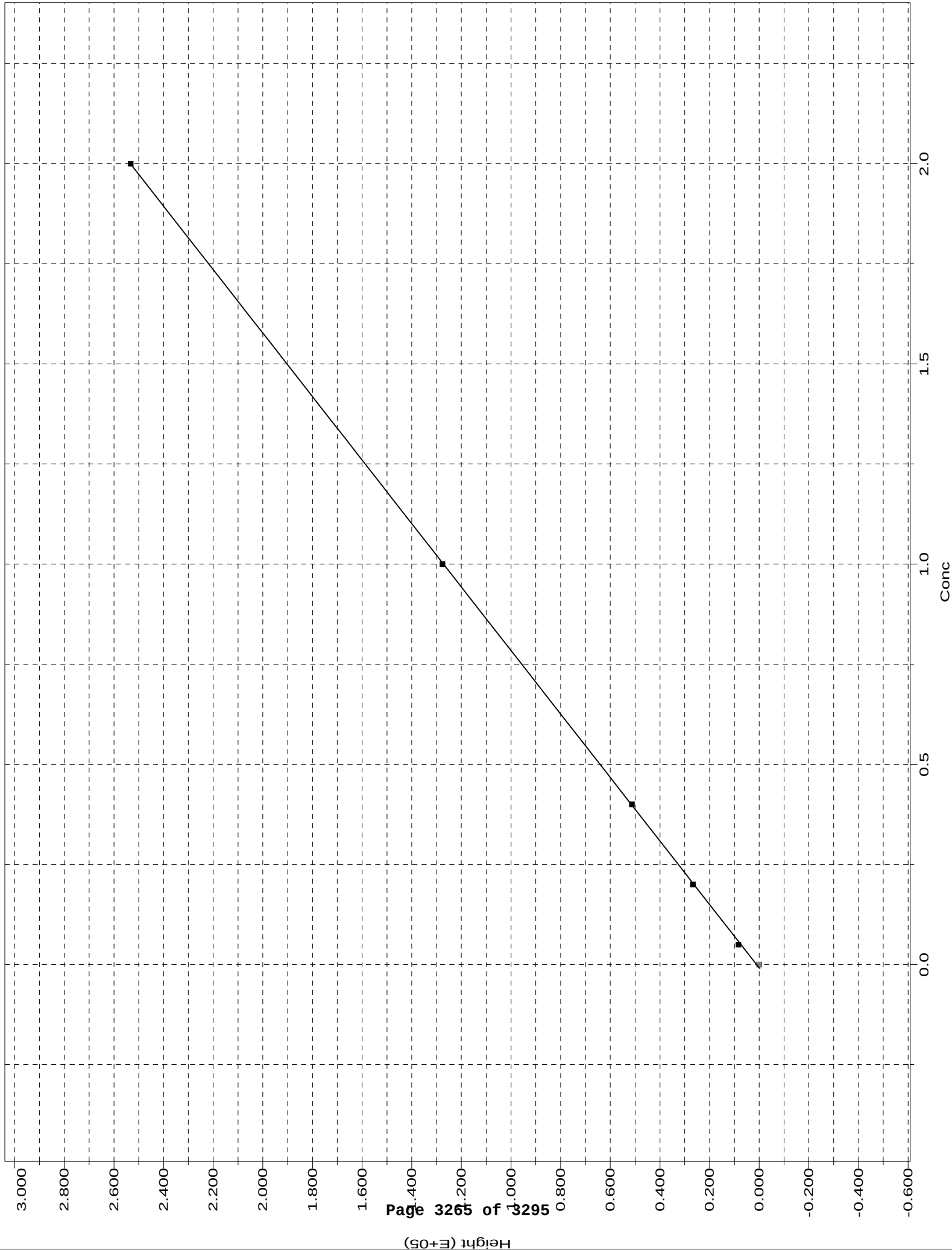
a: (intercept) 1.0832e+03

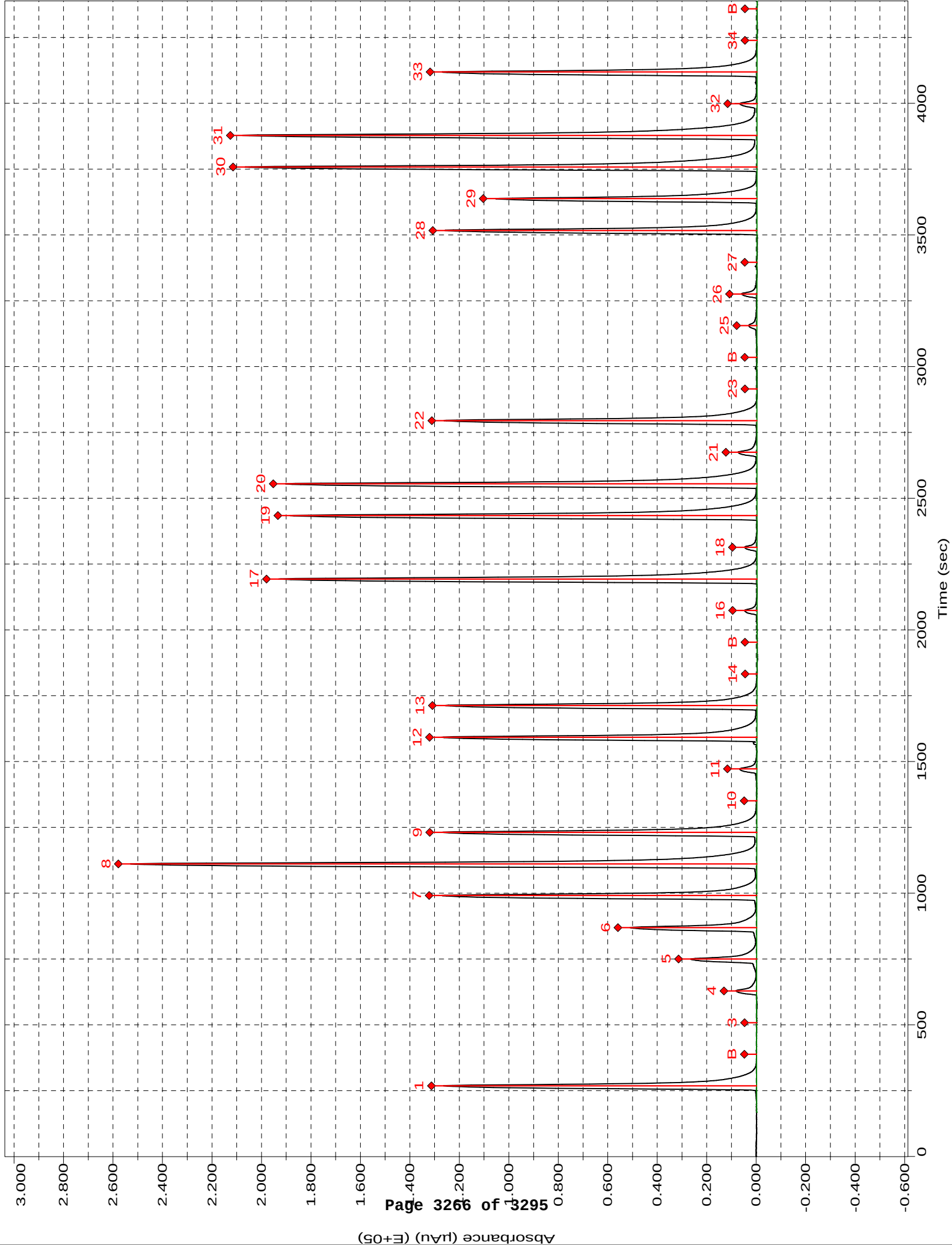
b: 1.2615e+05

Corr Coef: 0.999973

Carryover: n/a

No Drift Peaks







## Level I and Level II Review Checklist General Chemistry

|                                                               |                          |                         |                      |    |
|---------------------------------------------------------------|--------------------------|-------------------------|----------------------|----|
| Instrument ID <b>FS4</b>                                      |                          | <b>05-WC-0050</b>       |                      |    |
| Batch<br><b>8009</b>                                          | File #<br><b>122712A</b> | Date<br><b>12/27/12</b> | Analyst<br><b>JB</b> |    |
| Lot Numbers <b>240-18735, 240-18703</b>                       |                          | YES                     | NO                   | NA |
| <b>LEVEL 1 Review:</b>                                        |                          |                         |                      |    |
| 1. Samples properly preserved/verified                        |                          | /                       |                      |    |
| 2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)    |                          | /                       |                      |    |
| 3. Calibration criteria met ( $R=0.995$ , $R^2=0.990$ )       |                          | /                       |                      |    |
| 4. Interception criteria for quadratic fits + or - 1/2 the RL |                          |                         |                      | /  |
| 5. Second source std in control                               |                          | /                       |                      |    |
| 6. Batch QC in control (LCS,MB,MS/MSD,DCS if necessary)       |                          | /                       |                      |    |
| 7. Calculations checked                                       |                          | /                       |                      |    |
| 8. QAS/QAPP consulted for client specific requirements        |                          | /                       |                      |    |
| 9. Standard tracking #'s recorded on runlog/benchsheet        |                          | /                       |                      |    |
| 10. Manual integration performed, documented & approved       |                          |                         |                      | /  |
| 11. Copy of run log included with data package                |                          | /                       |                      |    |
| 12. Copy of conductivity screen logbook (314.0 only)          |                          |                         |                      | /  |
| <b>LEVEL 1 Data Review:</b>                                   |                          |                         |                      |    |
| 1. Benchsheet complete                                        |                          | /                       |                      |    |
| 2. QAS/QAPP Consulted for client specific data entry          |                          | /                       |                      |    |
| 3. Copy of prep sheet/checklist submitted                     |                          | /                       |                      |    |
| 4. NCM(s) submitted                                           |                          |                         |                      | /  |

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

|                         |                          |
|-------------------------|--------------------------|
| REVIEWED BY: <b>PMC</b> | DATA ENTERED BY:         |
| DATE: <b>12/31/12</b>   | DATE: <b>JB 12/28/12</b> |

## Level I and Level II Review Checklist General Chemistry

|                                                               |                          |                                     |                                     |
|---------------------------------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Instrument ID <b>F54</b>                                      |                          | WS-WC-0050<br>EPA 353.2             |                                     |
| Batch<br><b>8009</b>                                          | File #<br><b>122712A</b> | Date<br><b>12/27/12</b>             | Analyst<br><b>Jr</b>                |
| Lot Numbers <b>320-1301, -240-15735, -240-18703</b>           |                          | YES                                 | NO                                  |
| LEVEL 1 Review:                                               |                          |                                     |                                     |
| 1. Samples properly preserved/verified                        |                          | <input checked="" type="checkbox"/> |                                     |
| 2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)    |                          | <input checked="" type="checkbox"/> |                                     |
| 3. Calibration criteria met ( $R=0.995$ , $R^2=0.990$ )       |                          | <input checked="" type="checkbox"/> |                                     |
| 4. Interception criteria for quadratic fits + or - 1/2 the RL |                          |                                     | <input checked="" type="checkbox"/> |
| 5. Second source std in control                               |                          | <input checked="" type="checkbox"/> |                                     |
| 6. Batch QC in control (LCS, MB, MS/MSD, DCS if necessary)    |                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. Calculations checked                                       |                          | <input checked="" type="checkbox"/> |                                     |
| 8. QAS/QAPP consulted for client specific requirements        |                          | <input checked="" type="checkbox"/> |                                     |
| 9. Standard tracking #'s recorded on runlog/benchsheet        |                          | <input checked="" type="checkbox"/> |                                     |
| 10. Manual integration performed, documented & approved       |                          |                                     | <input checked="" type="checkbox"/> |
| 11. Copy of run log included with data package                |                          | <input checked="" type="checkbox"/> |                                     |
| 12. Copy of conductivity screen logbook (314.0 only)          |                          |                                     | <input checked="" type="checkbox"/> |
| LEVEL 1 Data Review:                                          |                          |                                     |                                     |
| 1. Benchsheet complete                                        |                          | <input checked="" type="checkbox"/> |                                     |
| 2. QAS/QAPP Consulted for client specific data entry          |                          | <input checked="" type="checkbox"/> |                                     |
| 3. Copy of prep sheet/checklist submitted                     |                          | <input checked="" type="checkbox"/> |                                     |
| 4. NCM(s) submitted                                           |                          | <input checked="" type="checkbox"/> |                                     |

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

|                         |                            |
|-------------------------|----------------------------|
| REVIEWED BY: <b>Amc</b> | DATA ENTERED BY: <b>Jr</b> |
| DATE: <b>12/28/12</b>   | DATE: <b>12/28/12</b>      |

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 68806 Batch Start Date: 12/14/12 09:30 Batch Analyst: Harshman, TomBatch Method: 1010 Batch End Date: 12/14/12 14:40

| Lab Sample ID       | Client Sample ID      | Method Chain | Basis | FinalAmount | InitialTemp  | WCP-XYLENE<br>00009 |  |  |  |
|---------------------|-----------------------|--------------|-------|-------------|--------------|---------------------|--|--|--|
| LCS 240-68806/1     |                       | 1010         |       | 70 mL       | 58 Degrees F | 70 mL               |  |  |  |
| 240-18735-C-5<br>DU | 070-0058-0001-ID<br>W | 1010         | T     | 70 g        | 62 Degrees F |                     |  |  |  |
| 240-18735-C-5       | 070-0058-0001-ID<br>W | 1010         | T     | 70 g        | 68 Degrees F |                     |  |  |  |

| Batch Notes  |        |
|--------------|--------|
| Equipment ID | Whitey |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69660 Batch Start Date: 12/20/12 07:00 Batch Analyst: Harshman, TomBatch Method: 1010 Batch End Date: 12/20/12 15:00

| Lab Sample ID   | Client Sample ID      | Method Chain | Basis | FinalAmount | InitialTemp  | WCP-XYLENE<br>00009 |  |  |  |
|-----------------|-----------------------|--------------|-------|-------------|--------------|---------------------|--|--|--|
| LCS 240-69660/1 |                       | 1010         |       | 70 mL       | 68 Degrees F | 70 mL               |  |  |  |
| 240-18735-G-6   | 070-0059-0001-ID<br>W | 1010         | T     | 70 mL       | 75 Degrees F |                     |  |  |  |

| Batch Notes  |        |
|--------------|--------|
| Equipment ID | Whitey |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 68931 Batch Start Date: 12/17/12 08:28 Batch Analyst: Woodward, BruceBatch Method: 9030B Batch End Date: 12/17/12 13:42

| Lab Sample ID   | Client Sample ID      | Method Chain | Basis | InitialAmount | FinalAmount | WCSULFIDELCS<br>00315 |  |  |  |
|-----------------|-----------------------|--------------|-------|---------------|-------------|-----------------------|--|--|--|
| MB 240-68931/1  |                       | 9030B, 9034  |       | 4.99 g        | 50 mL       |                       |  |  |  |
| LCS 240-68931/2 |                       | 9030B, 9034  |       | 4.95 g        | 50 mL       | 0.25 mL               |  |  |  |
| 240-18735-B-5   | 070-0058-0001-ID<br>W | 9030B, 9034  | T     | 4.97 g        | 50 mL       |                       |  |  |  |

| Batch Notes                           |              |
|---------------------------------------|--------------|
| Batch Comment                         | sand 398740  |
| Distillation Temperature              | 70 Degrees C |
| Pipette ID                            | 377822       |
| Sulfuric Acid Reagent ID Number       | 787798       |
| Zinc Acetate Buffer Reagent ID Number | 741150       |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 68955 Batch Start Date: 12/17/12 09:31 Batch Analyst: Woodward, BruceBatch Method: 9030B Batch End Date: 12/17/12 15:30

| Lab Sample ID   | Client Sample ID      | Method Chain | Basis | InitialAmount | FinalAmount | WCSULFIDELCS<br>00315 |  |  |  |
|-----------------|-----------------------|--------------|-------|---------------|-------------|-----------------------|--|--|--|
| MB 240-68955/1  |                       | 9030B, 9034  |       | 50 mL         | 50 mL       |                       |  |  |  |
| LCS 240-68955/2 |                       | 9030B, 9034  |       | 50 mL         | 50 mL       | 0.25 mL               |  |  |  |
| 240-18735-B-6   | 070-0059-0001-ID<br>W | 9030B, 9034  | T     | 50 mL         | 50 mL       |                       |  |  |  |

| Batch Notes                           |              |
|---------------------------------------|--------------|
| Distillation Temperature              | 70 Degrees C |
| Pipette ID                            | 377822       |
| Sulfuric Acid Reagent ID Number       | 787798       |
| Zinc Acetate Buffer Reagent ID Number | 741150       |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69009 Batch Start Date: 12/17/12 12:32 Batch Analyst: Woodward, BruceBatch Method: 9034 Batch End Date: 12/17/12 14:35

| Lab Sample ID        | Client Sample ID      | Method Chain | Basis | FinalAmount | IodineAmount | TitrantVolume1 | CalcMsg |  |  |
|----------------------|-----------------------|--------------|-------|-------------|--------------|----------------|---------|--|--|
| MB<br>240-68931/1-A  |                       | 9034         |       | 50 mL       | 8 mL         | 9.05 mL        | OK      |  |  |
| LCS<br>240-68931/2-A |                       | 9034         |       | 50 mL       | 8 mL         | 8.25 mL        | OK      |  |  |
| 240-18735-B-5-A      | 070-0058-0001-ID<br>W | 9034         | T     | 50 mL       | 8 mL         | 8.75 mL        | OK      |  |  |

| Batch Notes                           |            |
|---------------------------------------|------------|
| HCl Concentration                     | 1:1        |
| Lot # of hydrochloric acid            | 760754     |
| Iodine Lot Number                     | 792238     |
| Normality of Iodine Solution          | 0.028350 N |
| Sodium Thiosulfate Reagent ID Number  | 669841     |
| Perform Calculation (0=No, 1=Yes)     | 1          |
| Starch Lot Number                     | 755038     |
| Normality of first Titrant            | 0.0252 N   |
| Zinc Acetate Buffer Reagent ID Number | 741150     |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69010 Batch Start Date: 12/17/12 12:34 Batch Analyst: Woodward, BruceBatch Method: 9034 Batch End Date: 12/17/12 16:55

| Lab Sample ID        | Client Sample ID      | Method Chain | Basis | FinalAmount | IodineAmount | TitrantVolume1 | CalcMsg |  |  |
|----------------------|-----------------------|--------------|-------|-------------|--------------|----------------|---------|--|--|
| MB<br>240-68955/1-A  |                       | 9034         |       | 50 mL       | 8 mL         | 9.10 mL        | OK      |  |  |
| LCS<br>240-68955/2-A |                       | 9034         |       | 50 mL       | 8 mL         | 8.05 mL        | OK      |  |  |
| 240-18735-B-6-A      | 070-0059-0001-ID<br>W | 9034         | T     | 50 mL       | 8 mL         | 9.05 mL        | OK      |  |  |

| Batch Notes                           |            |
|---------------------------------------|------------|
| HCl Concentration                     | 1:1        |
| Lot # of hydrochloric acid            | 760754     |
| Iodine Lot Number                     | 792238     |
| Normality of Iodine Solution          | 0.028350 N |
| Sodium Thiosulfate Reagent ID Number  | 669841     |
| Perform Calculation (0=No, 1=Yes)     | 1          |
| Starch Lot Number                     | 755038     |
| Normality of first Titrant            | 0.0252 N   |
| Zinc Acetate Buffer Reagent ID Number | 741150     |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.



## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 68653 Batch Start Date: 12/13/12 18:31 Batch Analyst: Grossman, LucasBatch Method: 9040C Batch End Date: 12/13/12 18:50

| Lab Sample ID   | Client Sample ID      | Method Chain | Basis | FinalAmount | pHread1 | pHRead2 | CalcMsg     | WCPH7 00024 | WCWIBBYPHLCS<br>00006 |
|-----------------|-----------------------|--------------|-------|-------------|---------|---------|-------------|-------------|-----------------------|
| CCV 240-68653/1 |                       | 9040C        |       | 10 mL       | 7.02 SU |         | pH = Read 1 | 10 mL       |                       |
| LCS 240-68653/2 |                       | 9040C        |       | 10 mL       | 5.52 SU |         | pH = Read 1 |             | 10 mL                 |
| 240-18735-H-6   | 070-0059-0001-ID<br>W | 9040C        | T     | 10 mL       | 8.28 SU | 8.27 SU | Read 2 Pass |             |                       |
| CCV 240-68653/7 |                       | 9040C        |       | 10 mL       | 7.03 SU |         | pH = Read 1 | 10 mL       |                       |

| Batch Notes      |                     |
|------------------|---------------------|
| Batch Comment    | 5 point calibration |
| pH Buffer 1 ID   | 7-660922            |
| pH Buffer 2 ID   | 4-420355            |
| pH Buffer 3 ID   | 10-710412           |
| pH Buffer 4 ID   | 12-562275           |
| pH Buffer 5 ID   | 2-580422            |
| Electronic Slope | 99.3                |
| Probe ID         | wcp82               |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

9040C

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## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 68809 Batch Start Date: 12/14/12 15:19 Batch Analyst: Grossman, LucasBatch Method: 9045C Batch End Date: 12/14/12 18:18

| Lab Sample ID       | Client Sample ID      | Method Chain | Basis | FinalAmount | pHread1 | CalcMsg     | WCPH7 00024 | WCWIBBYPHLCS<br>00006 |  |
|---------------------|-----------------------|--------------|-------|-------------|---------|-------------|-------------|-----------------------|--|
| CCV<br>240-68809/41 |                       | 9045C        |       | 10 mL       | 6.98 SU | pH = Read 1 | 10 mL       |                       |  |
| LCS<br>240-68809/42 |                       | 9045C        |       | 10 mL       | 5.46 SU | pH = Read 1 |             | 10 mL                 |  |
| CCV<br>240-68809/52 |                       | 9045C        |       | 10 mL       | 6.97 SU | pH = Read 1 | 10 mL       |                       |  |
| 240-18735-C-5       | 070-0058-0001-ID<br>W | 9045C        | T     | 10 mL       | 7.68 SU | pH = Read 1 |             |                       |  |
| CCV<br>240-68809/59 |                       | 9045C        |       | 10 mL       | 6.97 SU | pH = Read 1 | 10 mL       |                       |  |

| Batch Notes                      |                     |
|----------------------------------|---------------------|
| Batch Comment                    | 5 point calibration |
| pH Buffer 1 ID                   | 7-660922            |
| pH Buffer 2 ID                   | 10-710412           |
| pH Buffer 3 ID                   | 4-420355            |
| pH Buffer 4 ID                   | 12-562275           |
| pH Buffer 5 ID                   | 2-580422            |
| Electronic Slope                 | 99.6                |
| Probe ID                         | wcp82               |
| Sufficient volume for sample dup | y                   |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

9045C

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## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 68573 Batch Start Date: 12/13/12 12:13 Batch Analyst: Harshman, TomBatch Method: Moisture Batch End Date: 12/14/12 10:35

| Lab Sample ID | Client Sample ID      | Method Chain | Basis | DishWeight | SampleMassWet | SampleMassDry |  |  |  |
|---------------|-----------------------|--------------|-------|------------|---------------|---------------|--|--|--|
| 240-18735-A-5 | 070-0058-0001-ID<br>W | Moisture     | T     | 4.3988 g   | 13.0549 g     | 12.0083 g     |  |  |  |

| Batch Notes                              |                    |
|------------------------------------------|--------------------|
| Balance ID                               | B047 No Unit       |
| Date samples were placed in the oven     | 12/13/12           |
| Oven Temp when samples are put in oven   | 103.5 Degrees C    |
| Time samples were place in the oven      | 15:30              |
| Date samples were removed from oven      | 12/14/12           |
| Oven Temp when samples removed from oven | 103.9 Degrees C    |
| Time Samples were removed from oven      | 05:10              |
| Oven ID                                  | 002                |
| ID number of the thermometer             | Tempguard Box C #6 |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

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## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69525 Batch Start Date: 12/20/12 08:25 Batch Analyst: Nicholas, CourtneyBatch Method: 9012A Batch End Date: 12/20/12 09:25

| Lab Sample ID       | Client Sample ID      | Method Chain        | Basis | InitialAmount | FinalAmount | ChlorineCheck | SulfideCheck | DigestBlockID | DigestBlockPos |
|---------------------|-----------------------|---------------------|-------|---------------|-------------|---------------|--------------|---------------|----------------|
| CCVH<br>240-69525/1 |                       | 9012A,<br>9012A/DoD |       | 50 mL         | 25 mL       |               |              | A             | 1              |
| CCVL<br>240-69525/2 |                       | 9012A,<br>9012A/DoD |       | 50 mL         | 25 mL       |               |              | A             | 2              |
| MB 240-69525/3      |                       | 9012A,<br>9012A/DoD |       | 0.99 g        | 25 mL       |               |              | A             | 3              |
| LCS 240-69525/4     |                       | 9012A,<br>9012A/DoD |       | 1.00 g        | 25 mL       |               |              | A             | 4              |
| 240-18735-B-5       | 070-0058-0001-ID<br>W | 9012A,<br>9012A/DoD | T     | 1.00 g        | 25 mL       | no            | no           | B             | 4              |

| Lab Sample ID       | Client Sample ID      | Method Chain        | Basis | WCCN10PPM1<br>00087 | WCCNLCS 00016 |  |  |  |  |
|---------------------|-----------------------|---------------------|-------|---------------------|---------------|--|--|--|--|
| CCVH<br>240-69525/1 |                       | 9012A,<br>9012A/DoD |       | 0.5 mL              |               |  |  |  |  |
| CCVL<br>240-69525/2 |                       | 9012A,<br>9012A/DoD |       | 0.125 mL            |               |  |  |  |  |
| MB 240-69525/3      |                       | 9012A,<br>9012A/DoD |       |                     |               |  |  |  |  |
| LCS 240-69525/4     |                       | 9012A,<br>9012A/DoD |       |                     | 5 mL          |  |  |  |  |
| 240-18735-B-5       | 070-0058-0001-ID<br>W | 9012A,<br>9012A/DoD | T     |                     |               |  |  |  |  |

| Batch Notes                        |                              |
|------------------------------------|------------------------------|
| Batch Comment                      | beakers 714538, traps 725471 |
| Magnesium Chloride Lot Number      | 775829                       |
| Sodium Hydroxide Reagent ID Number | 673114                       |
| Pipette ID                         | 377856, 380195               |
| Sulfamic Acid Reagent ID Number    | 732142                       |
| Sulfuric Acid Reagent ID Number    | 787798                       |
| Uncorrected Distill Temperature    | 125 Degrees C                |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

9012A/DoD

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## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69587 Batch Start Date: 12/20/12 09:08 Batch Analyst: Nicholas, CourtneyBatch Method: 9012A/DoD Batch End Date: 12/20/12 10:19

| Lab Sample ID         | Client Sample ID      | Method Chain | Basis | InitialAmount | FinalAmount | WCCN.01MRL1<br>00072 | WCCN.1CCV1<br>00087 | WCCN.1ICV2<br>00091 |  |
|-----------------------|-----------------------|--------------|-------|---------------|-------------|----------------------|---------------------|---------------------|--|
| ICV 240-69587/4       |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      |                     | 2 mL                |  |
| ICB 240-69587/5       |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      |                     |                     |  |
| MRL 240-69587/6       |                       | 9012A/DoD    |       | 2 mL          | 2 mL        | 2 mL                 |                     |                     |  |
| CCV 240-69587/7       |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      | 2 mL                |                     |  |
| CCB 240-69587/8       |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      |                     |                     |  |
| CCVH<br>240-69525/1-A |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      |                     |                     |  |
| CCVL<br>240-69525/2-A |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      |                     |                     |  |
| MB<br>240-69525/3-A   |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      |                     |                     |  |
| LCS<br>240-69525/4-A  |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      |                     |                     |  |
| CCV<br>240-69587/17   |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      | 2 mL                |                     |  |
| CCB<br>240-69587/18   |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      |                     |                     |  |
| 240-18735-B-5-B       | 070-0058-0001-ID<br>W | 9012A/DoD    | T     | 2 mL          | 2 mL        |                      |                     |                     |  |
| CCV<br>240-69587/22   |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      | 2 mL                |                     |  |
| CCB<br>240-69587/23   |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                      |                     |                     |  |
| MRL<br>240-69587/29   |                       | 9012A/DoD    |       | 2 mL          | 2 mL        | 2 mL                 |                     |                     |  |

| Batch Notes                         |                |
|-------------------------------------|----------------|
| Batch Comment                       | NaOH=673114    |
| Buffer Reagent ID Number            | 556042         |
| Chloramine-T Reagent ID Number      | 609470         |
| Pyridine-Barbituric Acid Reagent ID | 555981, 556020 |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

9012A/DoD

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## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69982 Batch Start Date: 12/24/12 10:50 Batch Analyst: Martin, AaronBatch Method: 9012A Batch End Date: 12/24/12 11:50

| Lab Sample ID        | Client Sample ID      | Method Chain        | Basis | InitialAmount | FinalAmount | ChlorineCheck | SulfideCheck | DistillpHCheck | DigestBlockID |
|----------------------|-----------------------|---------------------|-------|---------------|-------------|---------------|--------------|----------------|---------------|
| MB 240-69982/1       |                       | 9012A,<br>9012A/DoD |       | 50 mL         | 25 mL       |               |              |                | A             |
| LCS 240-69982/2      |                       | 9012A,<br>9012A/DoD |       | 50 mL         | 25 mL       |               |              |                | A             |
| 240-18735-A-6        | 070-0059-0001-ID<br>W | 9012A,<br>9012A/DoD | T     | 50 mL         | 25 mL       | N             | N            | 10             | A             |
| 240-18735-A-6<br>MS  | 070-0059-0001-ID<br>W | 9012A,<br>9012A/DoD | T     | 50 mL         | 25 mL       | N             | N            | 10             | A             |
| 240-18735-A-6<br>MSD | 070-0059-0001-ID<br>W | 9012A,<br>9012A/DoD | T     | 50 mL         | 25 mL       | N             | N            | 10             | A             |
| CCVL<br>240-69982/25 |                       | 9012A,<br>9012A/DoD |       | 50 mL         | 25 mL       |               |              |                | C             |
| CCVH<br>240-69982/26 |                       | 9012A,<br>9012A/DoD |       | 50 mL         | 25 mL       |               |              |                | C             |

| Lab Sample ID        | Client Sample ID      | Method Chain        | Basis | DigestBlockPos | WCCN10PPM1<br>00088 | WCCN1PPMMSD2<br>00098 | WCCNLCS 00016 |  |  |
|----------------------|-----------------------|---------------------|-------|----------------|---------------------|-----------------------|---------------|--|--|
| MB 240-69982/1       |                       | 9012A,<br>9012A/DoD |       | 1              |                     |                       |               |  |  |
| LCS 240-69982/2      |                       | 9012A,<br>9012A/DoD |       | 2              |                     |                       | 5 mL          |  |  |
| 240-18735-A-6        | 070-0059-0001-ID<br>W | 9012A,<br>9012A/DoD | T     | 3              |                     |                       |               |  |  |
| 240-18735-A-6<br>MS  | 070-0059-0001-ID<br>W | 9012A,<br>9012A/DoD | T     | 4              |                     | 2 mL                  |               |  |  |
| 240-18735-A-6<br>MSD | 070-0059-0001-ID<br>W | 9012A,<br>9012A/DoD | T     | 5              |                     | 2 mL                  |               |  |  |
| CCVL<br>240-69982/25 |                       | 9012A,<br>9012A/DoD |       | 5              | 0.125 mL            |                       |               |  |  |
| CCVH<br>240-69982/26 |                       | 9012A,<br>9012A/DoD |       | 6              | 0.5 mL              |                       |               |  |  |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

9012A/DoD

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## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 69982 Batch Start Date: 12/24/12 10:50 Batch Analyst: Martin, AaronBatch Method: 9012A Batch End Date: 12/24/12 11:50

| Batch Notes                        |                              |
|------------------------------------|------------------------------|
| Batch Comment                      | beakers 714538, traps 725471 |
| Magnesium Chloride Lot Number      | 775829                       |
| Sodium Hydroxide Reagent ID Number | 673114                       |
| Pipette ID                         | 377856, 380195               |
| Sulfamic Acid Reagent ID Number    | 732142                       |
| Sulfuric Acid Reagent ID Number    | 787798                       |
| Uncorrected Distill Temperature    | 125 Degrees C                |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 70054 Batch Start Date: 12/24/12 11:18 Batch Analyst: Martin, AaronBatch Method: 9012A/DoD Batch End Date: 12/24/12 14:07

| Lab Sample ID          | Client Sample ID      | Method Chain | Basis | InitialAmount | FinalAmount | WC0.25NAOH<br>00012 | WCCN.01MRL1<br>00073 | WCCN.1CCV1<br>00088 | WCCN.1ICV2<br>00092 |
|------------------------|-----------------------|--------------|-------|---------------|-------------|---------------------|----------------------|---------------------|---------------------|
| ICV 240-70054/4        |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     | 2 mL                |
| ICB 240-70054/5        |                       | 9012A/DoD    |       | 2 mL          | 2 mL        | 2 mL                |                      |                     |                     |
| MRL 240-70054/6        |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     | 2 mL                 |                     |                     |
| CCVL<br>240-69982/25-A |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     |                     |
| CCV<br>240-70054/31    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      | 2 mL                |                     |
| CCB<br>240-70054/32    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     |                     |
| MB<br>240-69982/1-A    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     |                     |
| 240-18735-A-6-A        | 070-0059-0001-ID<br>W | 9012A/DoD    | T     | 2 mL          | 2 mL        |                     |                      |                     |                     |
| 240-18735-A-6-B<br>MS  | 070-0059-0001-ID<br>W | 9012A/DoD    | T     | 2 mL          | 2 mL        |                     |                      |                     |                     |
| CCV<br>240-70054/42    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      | 2 mL                |                     |
| CCB<br>240-70054/43    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     |                     |
| CCV<br>240-70054/49    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      | 2 mL                |                     |
| CCB<br>240-70054/50    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     |                     |
| LCS<br>240-69982/2-A   |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     |                     |
| CCVH<br>240-69982/26-A |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     |                     |
| CCV<br>240-70054/53    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      | 2 mL                |                     |
| CCB<br>240-70054/54    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     |                     |
| CCV<br>240-70054/55    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      | 2 mL                |                     |
| CCB<br>240-70054/56    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     |                     |
| 240-18735-A-6-C<br>MSD | 070-0059-0001-ID<br>W | 9012A/DoD    | T     | 2 mL          | 2 mL        |                     |                      |                     |                     |
| CCV<br>240-70054/59    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      | 2 mL                |                     |
| CCB<br>240-70054/60    |                       | 9012A/DoD    |       | 2 mL          | 2 mL        |                     |                      |                     |                     |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

9012A/DoD

Page 1 of 2



## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 70054 Batch Start Date: 12/24/12 11:18 Batch Analyst: Martin, AaronBatch Method: 9012A/DoD Batch End Date: 12/24/12 14:07

| Batch Notes                         |             |
|-------------------------------------|-------------|
| Batch Comment                       | NaOH 673114 |
| Buffer Reagent ID Number            | 528652      |
| Chloramine-T Reagent ID Number      | 609500      |
| Pyridine-Barbituric Acid Reagent ID | 556033      |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

9012A/DoD

Page 2 of 2

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 7816 Batch Start Date: 12/26/12 06:53 Batch Analyst: Phan, TuanBatch Method: 353.2 (NCell) Batch End Date: 12/26/12 11:15

| Lab Sample ID  | Client Sample ID               | Method Chain                                        | Basis | InitialAmount | FinalAmount | HPNCSP 00007 |  |  |  |
|----------------|--------------------------------|-----------------------------------------------------|-------|---------------|-------------|--------------|--|--|--|
| MB 320-7816/1  |                                | 353.2<br>(NCell), 353<br>(NCell-Hyd),<br>WS-WC-0050 |       | 100 mL        | 45 mL       |              |  |  |  |
| LCS 320-7816/2 |                                | 353.2<br>(NCell), 353<br>(NCell-Hyd),<br>WS-WC-0050 |       | 100 mL        | 45 mL       | 1 mL         |  |  |  |
| 240-18735-Q-3  | 070-0056-0001-SO<br>URCE WATER | 353.2<br>(NCell), 353<br>(NCell-Hyd),<br>WS-WC-0050 | T     | 100 mL        | 45 mL       |              |  |  |  |
| 240-18735-Q-4  | 070-0057-0001-SO<br>URCE WATER | 353.2<br>(NCell), 353<br>(NCell-Hyd),<br>WS-WC-0050 | T     | 100 mL        | 45 mL       |              |  |  |  |

| Batch Notes                   |                     |
|-------------------------------|---------------------|
| Acetone Lot #                 | Acetone_00006       |
| Centrifuge Tube               | 2223568             |
| Membrane Filter               | MILLIPORE R2JA47614 |
| Millipore Water Dispense Date | 12/13/12            |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 7878 Batch Start Date: 12/27/12 05:45 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 12/27/12 07:40

| Lab Sample ID       | Client Sample ID               | Method Chain                      | Basis | InitialAmount | FinalAmount |  |  |  |  |
|---------------------|--------------------------------|-----------------------------------|-------|---------------|-------------|--|--|--|--|
| MB 320-7816/1-A     |                                | 353<br>(NCell-Hyd),<br>WS-WC-0050 |       | 45 mL         | 40 mL       |  |  |  |  |
| LCS<br>320-7816/2-A |                                | 353<br>(NCell-Hyd),<br>WS-WC-0050 |       | 45 mL         | 40 mL       |  |  |  |  |
| 240-18735-Q-3-B     | 070-0056-0001-SO<br>URCE WATER | 353<br>(NCell-Hyd),<br>WS-WC-0050 | T     | 45 mL         | 40 mL       |  |  |  |  |
| 240-18735-Q-4-B     | 070-0057-0001-SO<br>URCE WATER | 353<br>(NCell-Hyd),<br>WS-WC-0050 | T     | 45 mL         | 40 mL       |  |  |  |  |

| Batch Notes                   |                         |
|-------------------------------|-------------------------|
| 0.45 Filter Vendor/Lot        | MILLIPORE LOT R2DA02309 |
| Centrifuge Tube               | 2223568                 |
| Sulfuric Acid Lot Number      | SULFURIC ACID_00001     |
| Millipore Water Dispense Date | 12/13/12                |
| NaOH Lot #                    | SODIUM HYDROX_00001     |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.: \_\_\_\_\_

Batch Number: 8009 Batch Start Date: 12/27/12 13:05 Batch Analyst: Baynes, JasonBatch Method: WS-WC-0050 Batch End Date: \_\_\_\_\_

| Lab Sample ID   | Client Sample ID | Method Chain | Basis | WC-353.2-ICV<br>00015 | WC-353.2-L1<br>00014 | WC-353.2-L4<br>00010 |  |  |  |
|-----------------|------------------|--------------|-------|-----------------------|----------------------|----------------------|--|--|--|
| ICV 320-8009/8  |                  | WS-WC-0050   |       | # mL                  |                      |                      |  |  |  |
| MRL 320-8009/10 |                  | WS-WC-0050   |       |                       | # mL                 |                      |  |  |  |
| MRL 320-8009/20 |                  | WS-WC-0050   |       |                       | # mL                 |                      |  |  |  |
| CCV 320-8009/21 |                  | WS-WC-0050   |       |                       |                      | # mL                 |  |  |  |
| LCS 320-8009/27 |                  | WS-WC-0050   |       | # mL                  |                      |                      |  |  |  |
| MRL 320-8009/31 |                  | WS-WC-0050   |       |                       | # mL                 |                      |  |  |  |
| CCV 320-8009/32 |                  | WS-WC-0050   |       |                       |                      | # mL                 |  |  |  |

| Batch Notes            |                          |
|------------------------|--------------------------|
| Nitrocellulose Assay   | 0.119                    |
| Color Reagent 1 ID     | 4525-WC-16-3 e. 3/17/13  |
| NO2/NO3 Indicator ID # | 4525-WC-16-7 e. 12/27/13 |

| Basis | Basis Description |
|-------|-------------------|
|       |                   |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# Subcontract Data

# Shipping and Receiving Documents

**TestAmerica Laboratory location:**  
**Regulatory program:**

| Client Contact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 | Client Project Manager:     |        | Site Contact:               |                            | Lab Contract: |                       | COC No:      |                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|--------|-----------------------------|----------------------------|---------------|-----------------------|--------------|-----------------------------------------------|
| Company Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Address:        | Telephone:                  | Email: | Telephone:                  | Telephone:                 | Lab Contract: | COC No:               | COCs         |                                               |
| ECU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 33 BARN POST RD |                             |        | J. BOWMAN                   |                            | MILORD        | 050743                | 1 of 3       |                                               |
| City/State/Zip:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MAINT BORO MA   |                             |        |                             |                            |               |                       |              |                                               |
| Project Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 | Method of Shipment/Carrier: |        | Analysis: Parameters/Time   |                            | Analyses      |                       | For use only |                                               |
| Project Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 | Shipping/Tracking No:       |        | TAT if different from below |                            |               |                       |              |                                               |
| PO#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                             |        |                             |                            |               |                       |              |                                               |
| Sample Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sample Date     | Sample Time                 | Matrix |                             | Containers & Preservatives |               | Filtered Sample (X/N) |              | Sample Specific Notes / Special Instructions: |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                             | Air    | Aqueous                     | Sediment                   | Solid         | Others:               |              |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                             |        |                             |                            |               | Acid                  |              |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                             |        |                             |                            |               | NaOH                  |              |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                             |        |                             |                            |               | ZnAc/NaOH             |              |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                             |        |                             |                            |               | Uptests               |              |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                             |        |                             |                            |               | Other:                |              |                                               |
| 07058-0042M-0001-50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 12-17-12        | 1030                        |        |                             |                            |               |                       |              |                                               |
| 07059-0042M-0002-50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 | 1030                        |        |                             |                            |               |                       |              |                                               |
| 07058-0055-0001-7B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 | 0800                        |        |                             |                            |               |                       |              |                                               |
| 070-0056-0001-WATER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 | 1300                        |        |                             |                            |               |                       |              |                                               |
| 070-0057-0001-WATER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 | 1315                        |        |                             |                            |               |                       |              |                                               |
| 070-0058-0001-TDW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 | 1330                        |        |                             |                            |               |                       |              |                                               |
| 070-0059-0001-TDW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 | 1330                        |        |                             |                            |               |                       |              |                                               |
| 070-0060-0001-7B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 | 0800                        |        |                             |                            |               |                       |              |                                               |
| <div> <div>Possible Hazard Identification</div> <div> <input type="checkbox"/> Non-Hazard           <input type="checkbox"/> Flammable           <input type="checkbox"/> Skin Irritant           <input type="checkbox"/> Poison B           <input type="checkbox"/> Unknown         </div> </div> <div> <div>Special Instructions/QC Requirements &amp; Comments:</div> <div>           Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)           <input type="checkbox"/> Return to Client           <input type="checkbox"/> Disposal By Lab           <input type="checkbox"/> Archive For           Months         </div> </div> |                 |                             |        |                             |                            |               |                       |              |                                               |
| <div> <div>Relinquished by:</div> <div> <div>Company:</div> <div>ECU</div> </div> </div> <div> <div>Date/Time:</div> <div>12-12-12</div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                             |        |                             |                            |               |                       |              |                                               |
| <div> <div>Relinquished by:</div> <div> <div>Company:</div> <div>ECU</div> </div> </div> <div> <div>Date/Time:</div> <div>12-12-12</div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                             |        |                             |                            |               |                       |              |                                               |
| <div> <div>Relinquished by:</div> <div> <div>Company:</div> <div>ECU</div> </div> </div> <div> <div>Date/Time:</div> <div>12-12-12</div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                             |        |                             |                            |               |                       |              |                                               |

# Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: \_\_\_\_\_  
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                    |  |                                                       |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------|--|
| <b>Client Contact</b><br>Company Name: <b>KCL</b><br>Address: <b>33 BOSTON POST RD WINT</b><br>City/State/Zip: <b>MAAL 02000 MA 01752</b><br>Phone: _____<br>Project Name: _____<br>Project Number: _____<br>P O # _____                                                                                                                                                                                                                                                                                   |  | <b>Client Project Manager:</b><br>Name: <b>AL FASTER</b><br>Telephone: _____<br>Email: _____                                                                                                                  |  | <b>Site Contact:</b><br>Name: <b>J. DOWMAN</b><br>Telephone: _____                                                                                                                                                                                                         |  | <b>Lab Contact:</b><br>Name: <b>MARK LOEB</b><br>Telephone: _____                                                                                                                                                                  |  | <b>COC No:</b><br><b>050742</b><br><b>2 of 3</b> COCs |  |
| <b>Analysis:</b> <b>STANDARD</b><br>TAT (different from below): _____<br>Analysis Turnaround Time (in days): _____<br>2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>                                                                                                                                                                                                                                                      |  | <b>Method of Shipment/Carrier:</b><br><b>DEL. TO LAB</b>                                                                                                                                                      |  | <b>Analyses:</b><br>For lab use only: _____<br>For field use only: _____<br>For pickup: _____<br>For sampling: _____<br>For SPC: _____                                                                                                                                     |  | <b>Sample Specific Notes / Special Instructions:</b><br>_____                                                                                                                                                                      |  |                                                       |  |
| <b>Sample Identification</b><br>Sample Date: <b>12-11-2010</b><br>Sample Time: <b>1120</b><br>Sample ID: <b>07658-0120-0001-50</b><br>Sample ID: <b>07658-0120-0001-50</b><br>Sample ID: <b>07658-0121-0001-50</b><br>Sample ID: <b>07658-0122-0001-50</b><br>Sample ID: <b>07658-0123-0001-50</b><br>Sample ID: <b>07658-0124-0001-50</b><br>Sample ID: <b>07658-0125-0001-50</b><br>Sample ID: <b>07658-0125-0002-50</b><br>Sample ID: <b>07658-0126-0001-50</b><br>Sample ID: <b>07658-0127-0001-50</b> |  | <b>Matrix:</b><br>Air <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Other: _____<br>Sediment <input type="checkbox"/> Aqueous <input type="checkbox"/> Other: _____ |  | <b>Containers &amp; Preservatives:</b><br>H2SO4 <input type="checkbox"/> HNO3 <input type="checkbox"/> HCl <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> NaOH <input type="checkbox"/> Umpres <input type="checkbox"/> Other: _____ |  | <b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b><br><input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |  |                                                       |  |
| <b>Possible Hazard Identification</b><br><input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                    |  |                                                       |  |
| <b>Special Instructions/QC Requirements &amp; Comments:</b><br><b>DISCARD SAMPLES, DO NOT ANAL</b>                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                    |  |                                                       |  |
| <b>Relinquished by:</b><br><b>W. D.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Received by:</b><br><b>12-12-12 1702</b>                                                                                                                                                                   |  | <b>Company:</b><br><b>KCL</b>                                                                                                                                                                                                                                              |  | <b>Date/Time:</b><br><b>12-12-12</b>                                                                                                                                                                                               |  |                                                       |  |
| <b>Relinquished by:</b><br><b>W. D.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Received by:</b><br><b>12-12-12 1702</b>                                                                                                                                                                   |  | <b>Company:</b><br><b>KCL</b>                                                                                                                                                                                                                                              |  | <b>Date/Time:</b><br><b>12-12-12</b>                                                                                                                                                                                               |  |                                                       |  |
| <b>Relinquished by:</b><br><b>W. D.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Received by:</b><br><b>12-12-12 1702</b>                                                                                                                                                                   |  | <b>Company:</b><br><b>KCL</b>                                                                                                                                                                                                                                              |  | <b>Date/Time:</b><br><b>12-12-12</b>                                                                                                                                                                                               |  |                                                       |  |



## TestAmerica

**Regulatory program:**

|                                                                                                                                                |  |                                                                                             |  |                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                      |  |                                                                 |  |
|------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|--|
| <b>Client Contact</b><br>Company Name: <b>ECU</b><br>Address: <b>33 Boston Post Road</b><br>City/State/Zip: <b>MALDEN MA</b><br>Phone: <b></b> |  | <b>Client Project Manager:</b><br><b>AL BARTMAN</b><br>Telephone: <b></b><br>Email: <b></b> |  | <b>Site Contact:</b><br><b>J. Donovan</b><br>Telephone: <b></b>                                                                                                                                                                                  |  | <b>Lab Contact:</b><br><b>MARK LOBO</b><br>Telephone: <b></b>                                                                                                                                                                                                                        |  | <b>COC No:</b><br><b>049454</b><br><b>3</b> of <b>3</b> COCs    |  |
| <b>Project Name:</b><br><b></b>                                                                                                                |  | <b>Method of Shipment/Carrier:</b><br><b>DEL. TO LAB</b>                                    |  | <b>Analysis: Days from Receipt of Samples</b><br><b>Standard</b><br><input type="checkbox"/> 3 weeks<br><input type="checkbox"/> 2 weeks<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day |  | <b>For Lab Use Only</b><br><input type="checkbox"/> Metals Analysis<br><input type="checkbox"/> Lead Analysis<br><input type="checkbox"/> Lead Sampling<br><input type="checkbox"/> Substrate Not                                                                                    |  | <b>Sample Specific Notes / Special Instructions:</b><br><b></b> |  |
| <b>Project Number:</b><br><b></b>                                                                                                              |  | <b>Shipping/Tracking No:</b><br><b></b>                                                     |  | <b>TAT if different from being analyzed</b><br><b>Standard</b><br><input type="checkbox"/> 3 weeks<br><input type="checkbox"/> 2 weeks<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day   |  | <b>Analyses</b><br><b>HEX, CHROM</b>                                                                                                                                                                                                                                                 |  | <b>Sample Specific Notes / Special Instructions:</b><br><b></b> |  |
| <b>PO#</b><br><b></b>                                                                                                                          |  | <b>Sample Identification</b><br><b></b>                                                     |  | <b>Matrix</b><br><input type="checkbox"/> Air<br><input type="checkbox"/> Aqueous<br><input type="checkbox"/> Sediment<br><input type="checkbox"/> Solid<br><input type="checkbox"/> Other:                                                      |  | <b>Containers &amp; Preservation</b><br><input type="checkbox"/> H2SO4<br><input type="checkbox"/> HNO3<br><input type="checkbox"/> HCl<br><input type="checkbox"/> NaOH<br><input type="checkbox"/> ZnAc/NaOH<br><input type="checkbox"/> Unpres<br><input type="checkbox"/> Other: |  | <b>Sample Specific Notes / Special Instructions:</b><br><b></b> |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1520</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1450</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-12-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1049</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1124</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1225</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1225</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1315</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1340</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br><b>1410</b>                                                           |  | <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  | <input type="checkbox"/>                                                                                                                                                                                                                                                             |  | <input type="checkbox"/>                                        |  |
| <b>Sample Date</b><br><b>12-11-12</b>                                                                                                          |  | <b>Sample Time</b><br>                                                                      |  |                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                      |  |                                                                 |  |

## TestAmerica Canton Sample Receipt Form/Narrative

Login #: 18735

Client EC Site Name \_\_\_\_\_ By: Ch  
Cooler Received on 12-12-12 Opened on 12-12-12 (Signature)  
FedEx: 1<sup>st</sup> Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other \_\_\_\_\_  
TestAmerica Cooler # \_\_\_\_\_ Foam Box Client Cooler Box Other \_\_\_\_\_  
Packing material used: Bubble Wrap Foam Plastic Bag None Other \_\_\_\_\_  
COOLANT: Wet Ice Blue Ice Dry Ice Water None

## 1. Cooler temperature upon receipt

IR GUN# 1 (CF -2 °C) Observed Sample Temp. \_\_\_\_\_ °C Corrected Sample Temp. \_\_\_\_\_ °C  
IR GUN# 4G (CF 0 °C) Observed Sample Temp. \_\_\_\_\_ °C Corrected Sample Temp. \_\_\_\_\_ °C  
IR GUN# 5G (CF 0 °C) Observed Sample Temp. \_\_\_\_\_ °C Corrected Sample Temp. \_\_\_\_\_ °C  
IR GUN# 8 (CF 0 °C) Observed Sample Temp. \_\_\_\_\_ °C Corrected Sample Temp. \_\_\_\_\_ °C

☐ Multiple on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity \_\_\_\_\_ Yes No  
-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA  
-Were custody seals on the bottle(s)? Yes No  
3. Shippers' packing slip attached to the cooler(s)? CS 12/12/12 Yes No  
4. Did custody papers accompany the sample(s)? Yes No  
5. Were the custody papers relinquished & signed in the appropriate place? Yes No  
6. Did all bottles arrive in good condition (Unbroken)? Yes No  
7. Could all bottle labels be reconciled with the COC? Yes No  
8. Were correct bottle(s) used for the test(s) indicated? Yes No  
9. Sufficient quantity received to perform indicated analyses? Yes No  
10. Were sample(s) at the correct pH upon receipt? Yes No NA  
11. Were VOAs on the COC? Yes No  
12. Were air bubbles >6 mm in any VOA vials? Yes No NA  
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM MJL Date 12/12/12 by CSL via Verbal Voice Mail Other  
Concerning \_\_\_\_\_

## 14. CHAIN OF CUSTODY &amp; SAMPLE DISCREPANCIES

58-0001 - FOW rec'd soil and water, but did not get 59-0001 - FOW will log 58 water in place of 59. Will log per COC.

## 15. SAMPLE CONDITION

Sample(s) \_\_\_\_\_ were received after the recommended holding time had expired.  
Sample(s) \_\_\_\_\_ were received in a broken container.  
Sample(s) \_\_\_\_\_ were received with bubble >6 mm in diameter. (Notify PM)

Sample(s) \_\_\_\_\_ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO<sub>3</sub>; Sulfuric Acid Lot# 051012-H<sub>2</sub>SO<sub>4</sub>; Sodium Hydroxide Lot# 121809-NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH<sub>3</sub>COO)<sub>2</sub>ZN/NaOH. What time was preservative added to sample(s)? \_\_\_\_\_

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## Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18735-2

Login Number: 18735

List Number: 1

Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh

List Creation: 12/20/12 05:53 PM

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |         |
| The cooler's custody seal, if present, is intact.                                        | True   |         |
| Sample custody seals, if present, are intact.                                            | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.           | True   |         |
| Samples were received on ice.                                                            | False  |         |
| Cooler Temperature is acceptable.                                                        | True   |         |
| Cooler Temperature is recorded.                                                          | True   |         |
| COC is present.                                                                          | True   |         |
| COC is filled out in ink and legible.                                                    | True   |         |
| COC is filled out with all pertinent information.                                        | True   |         |
| Is the Field Sampler's name present on COC?                                              | True   |         |
| There are no discrepancies between the containers received and the COC.                  | True   |         |
| Samples are received within Holding Time.                                                | True   |         |
| Sample containers have legible labels.                                                   | True   |         |
| Containers are not broken or leaking.                                                    | True   |         |
| Sample collection date/times are provided.                                               | True   |         |
| Appropriate sample containers are used.                                                  | True   |         |
| Sample bottles are completely filled.                                                    | True   |         |
| Sample Preservation Verified.                                                            | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | True   |         |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |

## Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18735-2

Login Number: 18735

List Number: 1

Creator: Sadler, William

List Source: TestAmerica Sacramento

List Creation: 12/14/12 10:07 AM

| Question                                                                                     | Answer | Comment |
|----------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.          | True   |         |
| The cooler's custody seal, if present, is intact.                                            | True   |         |
| Sample custody seals, if present, are intact.                                                | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.               | True   |         |
| Samples were received on ice.                                                                | True   |         |
| Cooler Temperature is acceptable.                                                            | True   |         |
| Cooler Temperature is recorded.                                                              | True   | 1.5     |
| COC is present.                                                                              | True   |         |
| COC is filled out in ink and legible.                                                        | True   |         |
| COC is filled out with all pertinent information.                                            | True   |         |
| Is the Field Sampler's name present on COC?                                                  | True   |         |
| There are no discrepancies between the containers received and the COC.                      | True   |         |
| Samples are received within Holding Time.                                                    | True   |         |
| Sample containers have legible labels.                                                       | True   |         |
| Containers are not broken or leaking.                                                        | True   |         |
| Sample collection date/times are provided.                                                   | True   |         |
| Appropriate sample containers are used.                                                      | True   |         |
| Sample bottles are completely filled.                                                        | True   |         |
| Sample Preservation Verified.                                                                | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs             | True   |         |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ ( $1/4"$ ). | True   |         |
| Multiphasic samples are not present.                                                         | True   |         |
| Samples do not require splitting or compositing.                                             | True   |         |
| Residual Chlorine Checked.                                                                   | N/A    |         |