

ANALYTICAL REPORT

Job Number: 460-111850-1

Job Description: DEC Elmont546; Site: E130150

For:

New York State D.E.C.
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Attention: Mr. Brian Jankauskas

Melissa Haas

Approved for release.
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5/25/2016 3:52 PM

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05/25/2016
Revision: 1

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Job Number: 460-111850-1

Job Description: DEC Elmont546; Site: E130150

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A handwritten signature in cursive script that reads "Melissa Haas". The signature is written in dark ink and is positioned above a horizontal line.

Approved for release.
Melissa Haas
Project Manager I
5/25/2016 3:52 PM

Melissa Haas

Table of Contents

| | |
|---------------------------------|-----|
| Cover Title Page | 1 |
| Data Summaries | 5 |
| Report Narrative | 5 |
| Sample Summary | 7 |
| Detection Summary | 8 |
| Method Summary | 10 |
| Client Sample Results | 11 |
| Surrogate Summary | 18 |
| QC Sample Results | 19 |
| Definitions | 39 |
| Chronicle | 43 |
| Certification Summary | 44 |
| Organic Sample Data | 45 |
| GC/MS Semi VOA | 45 |
| 8270D | 45 |
| 8270D QC Summary | 46 |
| 8270D Sample Data | 78 |
| Standards Data | 129 |
| 8270D ICAL Data | 129 |
| 8270D CCAL Data | 254 |
| Raw QC Data | 305 |
| 8270D Tune Data | 305 |
| 8270D Blank Data | 341 |
| 8270D LCS/LCSD Data | 351 |
| 8270D MS/MSD Data | 371 |
| 8270D Run Logs | 399 |

Table of Contents

| | |
|--|------|
| 8270D Prep Data | 404 |
| Inorganic Sample Data | 406 |
| Metals Data | 406 |
| Met Cover Page | 407 |
| Met Sample Data | 408 |
| Met QC Data | 411 |
| Met ICV/CCV | 411 |
| Met Blanks | 417 |
| Met ICSA/ICSAB | 421 |
| Met MS/MSD/PDS | 425 |
| Met Dup/Trip | 429 |
| Met LCS/LCSD | 431 |
| Met Serial Dilution | 433 |
| Met MDL | 435 |
| Met Preparation Log | 437 |
| Met Analysis Run Log | 439 |
| Met Raw Data | 455 |
| Met Prep Data | 1425 |
| General Chemistry Data | 1427 |
| Gen Chem Cover Page | 1428 |
| Gen Chem MDL | 1429 |
| Gen Chem Analysis Run Log | 1431 |
| Gen Chem Prep Data | 1433 |
| Shipping and Receiving Documents | 1435 |
| Client Chain of Custody | 1436 |
| Sample Receipt Checklist | 1439 |

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Elmont546; Site: E130150

Report Number: 460-111850-1

Revision #1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

REVISION #1

The following report required a revision: 460-111850-1. Details are as follows: The client requested that ICVs be reported for SVOC analysis.

RECEIPT

The samples were received on 4/8/2016 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7° C.

Receipt Exceptions

Method(s) Moisture: The sample duplicate precision for the following sample associated with analytical batch 460-361654 was outside control limits: B4 (460-111850-3), B4 (460-111850-3[MS]), B4 (460-111850-3[MSD]), (460-111581-D-10) and (460-111581-D-10 DU).

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS

Samples A4 (460-111850-1), A5 (460-111850-2) and B4 (460-111850-3) were analyzed for Semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/10/2016 and 04/11/2016 and analyzed on 04/11/2016, 04/12/2016 and 04/13/2016.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 460-361719 had one analyte (Hexachlorocyclopentadiene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The continuing calibration verification (CCV) analyzed in batch 460-362008 was outside the method criteria for the following analyte(s): Caprolactam, Terphenyl-d14 (Surr), 2,4-Dinitrophenol, 4-Nitrophenol, Isophorone, 2,2'-oxybis[1-chloropropane], Pyrene and 2-Nitroaniline. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-362222 was outside the method criteria for the following analyte(s): Hexachlorocyclopentadiene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: A4 (460-111850-1) and A5 (460-111850-2). These results have been reported and qualified.

The following laboratory control sample (LCS) associated with batch preparation batch 460-361719 and analytical batch 460-361964 contained one acid/base surrogate outside acceptance limits. The laboratory's SOP allows one acid and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

2-Fluorobiphenyl failed the surrogate recovery criteria high for A4 (460-111850-1). 2-Fluorobiphenyl failed the surrogate recovery criteria high for A5 (460-111850-2). 2-Fluorobiphenyl failed the surrogate recovery criteria high for LCS 460-361719/2-A. 2-Fluorobiphenyl failed the surrogate recovery criteria high for LCS 460-361719/3-A.

Hexachlorocyclopentadiene failed the recovery criteria high for LCS 460-361719/2-A.

Several analytes failed the recovery criteria low for the MS/MSD of sample B4MS (460-111850-3) in batch 460-362222. 4,6-Dinitro-2-methylphenol and Pentachlorophenol exceeded the RPD limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples A4 (460-111850-1), A5 (460-111850-2) and B4 (460-111850-3) were analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 04/09/2016 and 04/11/2016 and analyzed on 04/10/2016 and 04/11/2016.

Antimony and Manganese failed the recovery criteria low for the MS of sample A4MS (460-111850-1) in batch 460-361771. Aluminum and Iron failed the recovery criteria high.

Antimony failed the recovery criteria low for the MS of sample B4MS (460-111850-3) in batch 460-361922. Several analytes failed the recovery criteria high.

Lead and Magnesium exceeded the RPD limit for the duplicate of sample A4DU (460-111850-1). Barium exceeded the RPD limit for the duplicate of sample B4DU (460-111850-3).

Refer to the QC report for details.

Samples A4 (460-111850-1)[4X], A5 (460-111850-2)[4X] and B4 (460-111850-3)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples A4 (460-111850-1), A5 (460-111850-2) and B4 (460-111850-3) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 04/08/2016 and 04/09/2016.

Percent Moisture exceeded the RPD limit for the duplicate of sample 460-111621-13.

Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 460-111850-1 | A4 | Solid | 04/08/16 14:05 | 04/08/16 18:00 |
| 460-111850-2 | A5 | Solid | 04/08/16 14:00 | 04/08/16 18:00 |
| 460-111850-3 | B4 | Solid | 04/08/16 13:25 | 04/08/16 18:00 |

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Client Sample ID: A4

Lab Sample ID: 460-111850-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|-------|-----|-----|---|--------|-----------|
| 2-Methylnaphthalene | 54 | J | 360 | 7.9 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Benzo[a]anthracene | 53 | | 36 | 30 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Benzo[a]pyrene | 45 | | 36 | 11 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Benzo[b]fluoranthene | 81 | | 36 | 14 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 23 | J | 360 | 21 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Benzo[k]fluoranthene | 30 | J | 36 | 16 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Chrysene | 60 | J | 360 | 9.8 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Fluoranthene | 81 | J | 360 | 11 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Indeno[1,2,3-cd]pyrene | 24 | J | 36 | 24 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Naphthalene | 94 | J | 360 | 9.1 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Phenanthrene | 17 | J | 360 | 9.6 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Pyrene | 83 | J | 360 | 16 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Aluminum | 11200 | | 34.9 | 18.0 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Arsenic | 10.5 | | 2.6 | 0.86 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Barium | 45.7 | | 34.9 | 1.2 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Beryllium | 0.44 | | 0.35 | 0.30 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Calcium | 1310 | | 873 | 51.7 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Chromium | 15.7 | | 1.7 | 0.84 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Cobalt | 4.8 | J | 8.7 | 1.0 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Copper | 14.5 | | 4.4 | 1.1 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Iron | 15200 | | 26.2 | 19.7 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Lead | 57.2 | | 1.7 | 0.69 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Magnesium | 1490 | | 873 | 43.6 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Manganese | 246 | | 2.6 | 0.92 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Nickel | 10.7 | | 7.0 | 1.3 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Potassium | 444 | J | 873 | 26.4 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Vanadium | 26.3 | | 8.7 | 0.87 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Zinc | 38.0 | | 5.2 | 1.3 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |

Client Sample ID: A5

Lab Sample ID: 460-111850-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|------|-------|-----|-----|---|--------|-----------|
| 2-Methylnaphthalene | 69 | J | 370 | 8.2 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Benzo[a]anthracene | 38 | | 37 | 31 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Benzo[a]pyrene | 32 | J | 37 | 11 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Benzo[b]fluoranthene | 48 | | 37 | 14 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Chrysene | 39 | J | 370 | 10 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Dibenzofuran | 15 | J | 370 | 11 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Fluoranthene | 61 | J | 370 | 11 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Fluorene | 10 | J | 370 | 8.0 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Naphthalene | 85 | J | 370 | 9.4 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Phenanthrene | 40 | J | 370 | 9.8 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Pyrene | 61 | J | 370 | 17 | ug/Kg | 1 | ☼ | | 8270D | Total/NA |
| Aluminum | 11600 | | 35.8 | 18.4 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Arsenic | 6.4 | | 2.7 | 0.88 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Barium | 377 | | 35.8 | 1.3 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Beryllium | 0.45 | | 0.36 | 0.30 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Calcium | 1750 | | 894 | 52.9 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Chromium | 18.7 | | 1.8 | 0.86 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |
| Cobalt | 4.7 | J | 8.9 | 1.0 | mg/Kg | 4 | ☼ | | 6010C | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Edison

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Client Sample ID: A5 (Continued)

Lab Sample ID: 460-111850-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|-----------|--------|-----------|------|------|-------|-----|-----|---|--------|-----------|
| Copper | 178 | | 4.5 | 1.2 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Iron | 14900 | | 26.8 | 20.2 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Lead | 2140 | | 1.8 | 0.70 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Magnesium | 1620 | | 894 | 44.6 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Manganese | 212 | | 2.7 | 0.94 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Nickel | 12.1 | | 7.2 | 1.3 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Potassium | 356 | J | 894 | 27.1 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Vanadium | 21.8 | | 8.9 | 0.89 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Zinc | 135 | | 5.4 | 1.3 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |

Client Sample ID: B4

Lab Sample ID: 460-111850-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|-------|-----|-----|---|--------|-----------|
| 2-Methylnaphthalene | 8.1 | J | 350 | 7.8 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Benzo[a]anthracene | 100 | | 35 | 29 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Benzo[a]pyrene | 100 | | 35 | 11 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Benzo[b]fluoranthene | 130 | | 35 | 14 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 66 | J | 350 | 20 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Benzo[k]fluoranthene | 63 | | 35 | 15 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Chrysene | 110 | J | 350 | 9.6 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Fluoranthene | 160 | J | 350 | 10 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Indeno[1,2,3-cd]pyrene | 82 | | 35 | 23 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Naphthalene | 16 | J | 350 | 8.9 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Phenanthrene | 60 | J | 350 | 9.4 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Pyrene | 180 | J | 350 | 16 | ug/Kg | 1 | ✖ | | 8270D | Total/NA |
| Aluminum | 5920 | | 40.6 | 20.9 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Arsenic | 8.7 | | 3.0 | 1.0 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Barium | 26.4 | J | 40.6 | 1.5 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Calcium | 506 | J | 1020 | 60.1 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Chromium | 9.8 | | 2.0 | 0.98 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Cobalt | 3.0 | J | 10.2 | 1.2 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Copper | 11.6 | | 5.1 | 1.3 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Iron | 10500 | | 30.5 | 22.9 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Lead | 19.4 | | 2.0 | 0.80 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Magnesium | 858 | J | 1020 | 50.7 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Manganese | 174 | | 3.0 | 1.1 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Nickel | 7.6 | J | 8.1 | 1.5 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Potassium | 255 | J | 1020 | 30.8 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Vanadium | 12.3 | | 10.2 | 1.0 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |
| Zinc | 29.4 | | 6.1 | 1.5 | mg/Kg | 4 | ✖ | | 6010C | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Edison

Method Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

| Method | Method Description | Protocol | Laboratory |
|----------|--|----------|------------|
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL EDI |
| 6010C | Metals (ICP) | SW846 | TAL EDI |
| Moisture | Percent Moisture | EPA | TAL EDI |

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Client Sample ID: A4

Date Collected: 04/08/16 14:05

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-1

Matrix: Solid

Percent Solids: 91.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl | 360 | U | 360 | 31 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 1,2,4,5-Tetrachlorobenzene | 360 | U | 360 | 27 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2,2'-oxybis[1-chloropropane] | 360 | U | 360 | 15 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2,3,4,6-Tetrachlorophenol | 360 | U | 360 | 34 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2,4,5-Trichlorophenol | 360 | U | 360 | 36 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2,4,6-Trichlorophenol | 140 | U | 140 | 10 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2,4-Dichlorophenol | 140 | U | 140 | 8.5 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2,4-Dimethylphenol | 360 | U | 360 | 79 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2,4-Dinitrophenol | 290 | U | 290 | 270 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2,4-Dinitrotoluene | 73 | U | 73 | 14 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2,6-Dinitrotoluene | 73 | U | 73 | 19 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2-Chloronaphthalene | 360 | U | 360 | 8.2 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2-Chlorophenol | 360 | U | 360 | 9.1 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2-Methylnaphthalene | 54 | J | 360 | 7.9 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2-Methylphenol | 360 | U | 360 | 16 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2-Nitroaniline | 360 | U | 360 | 12 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2-Nitrophenol | 360 | U | 360 | 12 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 3,3'-Dichlorobenzidine | 140 | U | 140 | 40 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 3-Nitroaniline | 360 | U | 360 | 11 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 4,6-Dinitro-2-methylphenol | 290 | U | 290 | 96 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 4-Bromophenyl phenyl ether | 360 | U | 360 | 11 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 4-Chloro-3-methylphenol | 360 | U | 360 | 15 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 4-Chloroaniline | 360 | U | 360 | 9.2 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 4-Chlorophenyl phenyl ether | 360 | U | 360 | 11 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 4-Methylphenol | 360 | U | 360 | 9.8 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 4-Nitroaniline | 360 | U | 360 | 14 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 4-Nitrophenol | 730 | U | 730 | 170 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Acenaphthene | 360 | U | 360 | 8.7 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Acenaphthylene | 360 | U | 360 | 9.2 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Acetophenone | 360 | U | 360 | 7.8 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Anthracene | 360 | U | 360 | 34 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Atrazine | 140 | U | 140 | 16 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Benzaldehyde | 360 | U | 360 | 27 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Benzo[a]anthracene | 53 | | 36 | 30 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Benzo[a]pyrene | 45 | | 36 | 11 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Benzo[b]fluoranthene | 81 | | 36 | 14 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Benzo[g,h,i]perylene | 23 | J | 360 | 21 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Benzo[k]fluoranthene | 30 | J | 36 | 16 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Bis(2-chloroethoxy)methane | 360 | U | 360 | 11 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Bis(2-chloroethyl)ether | 36 | U | 36 | 8.5 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Bis(2-ethylhexyl) phthalate | 360 | U | 360 | 14 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Butyl benzyl phthalate | 360 | U | 360 | 11 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Caprolactam | 360 | U | 360 | 26 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Carbazole | 360 | U | 360 | 8.9 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Chrysene | 60 | J | 360 | 9.8 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Dibenz(a,h)anthracene | 36 | U | 36 | 19 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Dibenzofuran | 360 | U | 360 | 11 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Diethyl phthalate | 360 | U | 360 | 10 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Dimethyl phthalate | 360 | U | 360 | 10 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Client Sample ID: A4

Date Collected: 04/08/16 14:05

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-1

Matrix: Solid

Percent Solids: 91.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-butyl phthalate | 360 | U | 360 | 11 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Di-n-octyl phthalate | 360 | U | 360 | 18 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Fluoranthene | 81 | J | 360 | 11 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Fluorene | 360 | U | 360 | 7.8 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Hexachlorobenzene | 36 | U | 36 | 15 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Hexachlorobutadiene | 73 | U | 73 | 10 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Hexachlorocyclopentadiene | 360 | U * | 360 | 22 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Hexachloroethane | 36 | U | 36 | 13 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Indeno[1,2,3-cd]pyrene | 24 | J | 36 | 24 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Isophorone | 140 | U | 140 | 7.7 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Naphthalene | 94 | J | 360 | 9.1 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Nitrobenzene | 36 | U | 36 | 11 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| N-Nitrosodi-n-propylamine | 36 | U | 36 | 12 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| N-Nitrosodiphenylamine | 360 | U | 360 | 33 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Pentachlorophenol | 290 | U | 290 | 44 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Phenanthrene | 17 | J | 360 | 9.6 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Phenol | 360 | U | 360 | 12 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Pyrene | 83 | J | 360 | 16 | ug/Kg | ☼ | 04/10/16 09:03 | 04/11/16 23:35 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 86 | | 10 - 95 | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2-Fluorobiphenyl | 91 | * | 27 - 84 | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| 2-Fluorophenol (Surr) | 84 | | 21 - 84 | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Nitrobenzene-d5 (Surr) | 89 | | 28 - 92 | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Phenol-d5 (Surr) | 87 | | 22 - 88 | 04/10/16 09:03 | 04/11/16 23:35 | 1 |
| Terphenyl-d14 (Surr) | 103 | | 16 - 114 | 04/10/16 09:03 | 04/11/16 23:35 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Aluminum | 11200 | | 34.9 | 18.0 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Antimony | 3.5 | U | 3.5 | 1.4 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Arsenic | 10.5 | | 2.6 | 0.86 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Barium | 45.7 | | 34.9 | 1.2 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Beryllium | 0.44 | | 0.35 | 0.30 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Cadmium | 0.70 | U | 0.70 | 0.36 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Calcium | 1310 | | 873 | 51.7 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Chromium | 15.7 | | 1.7 | 0.84 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Cobalt | 4.8 | J | 8.7 | 1.0 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Copper | 14.5 | | 4.4 | 1.1 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Iron | 15200 | | 26.2 | 19.7 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Lead | 57.2 | | 1.7 | 0.69 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Magnesium | 1490 | | 873 | 43.6 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Manganese | 246 | | 2.6 | 0.92 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Nickel | 10.7 | | 7.0 | 1.3 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Potassium | 444 | J | 873 | 26.4 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Selenium | 3.5 | U | 3.5 | 1.2 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Silver | 1.7 | U | 1.7 | 0.31 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Sodium | 873 | U | 873 | 59.1 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Thallium | 3.5 | U | 3.5 | 1.5 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |
| Vanadium | 26.3 | | 8.7 | 0.87 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Client Sample ID: A4

Date Collected: 04/08/16 14:05

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-1

Matrix: Solid

Percent Solids: 91.7

Method: 6010C - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Zinc | 38.0 | | 5.2 | 1.3 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 17:58 | 4 |

Client Sample ID: A5

Date Collected: 04/08/16 14:00

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-2

Matrix: Solid

Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl | 370 | U | 370 | 32 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 1,2,4,5-Tetrachlorobenzene | 370 | U | 370 | 27 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2,2'-oxybis[1-chloropropane] | 370 | U | 370 | 15 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2,3,4,6-Tetrachlorophenol | 370 | U | 370 | 35 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2,4,5-Trichlorophenol | 370 | U | 370 | 37 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2,4,6-Trichlorophenol | 150 | U | 150 | 11 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2,4-Dichlorophenol | 150 | U | 150 | 8.7 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2,4-Dimethylphenol | 370 | U | 370 | 81 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2,4-Dinitrophenol | 300 | U | 300 | 280 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2,4-Dinitrotoluene | 75 | U | 75 | 15 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2,6-Dinitrotoluene | 75 | U | 75 | 20 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2-Chloronaphthalene | 370 | U | 370 | 8.4 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2-Chlorophenol | 370 | U | 370 | 9.4 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2-Methylnaphthalene | 69 | J | 370 | 8.2 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2-Methylphenol | 370 | U | 370 | 16 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2-Nitroaniline | 370 | U | 370 | 12 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2-Nitrophenol | 370 | U | 370 | 12 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 3,3'-Dichlorobenzidine | 150 | U | 150 | 41 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 3-Nitroaniline | 370 | U | 370 | 11 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 4,6-Dinitro-2-methylphenol | 300 | U | 300 | 99 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 4-Bromophenyl phenyl ether | 370 | U | 370 | 12 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 4-Chloro-3-methylphenol | 370 | U | 370 | 16 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 4-Chloroaniline | 370 | U | 370 | 9.5 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 4-Chlorophenyl phenyl ether | 370 | U | 370 | 11 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 4-Methylphenol | 370 | U | 370 | 10 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 4-Nitroaniline | 370 | U | 370 | 14 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 4-Nitrophenol | 750 | U | 750 | 180 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Acenaphthene | 370 | U | 370 | 8.9 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Acenaphthylene | 370 | U | 370 | 9.5 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Acetophenone | 370 | U | 370 | 8.0 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Anthracene | 370 | U | 370 | 35 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Atrazine | 150 | U | 150 | 16 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Benzaldehyde | 370 | U | 370 | 28 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Benzo[a]anthracene | 38 | | 37 | 31 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Benzo[a]pyrene | 32 | J | 37 | 11 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Benzo[b]fluoranthene | 48 | | 37 | 14 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Benzo[g,h,i]perylene | 370 | U | 370 | 21 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Benzo[k]fluoranthene | 37 | U | 37 | 16 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Bis(2-chloroethoxy)methane | 370 | U | 370 | 12 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Bis(2-chloroethyl)ether | 37 | U | 37 | 8.7 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Bis(2-ethylhexyl) phthalate | 370 | U | 370 | 14 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Butyl benzyl phthalate | 370 | U | 370 | 11 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Client Sample ID: A5

Date Collected: 04/08/16 14:00

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-2

Matrix: Solid

Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Caprolactam | 370 | U | 370 | 27 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Carbazole | 370 | U | 370 | 9.2 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Chrysene | 39 | J | 370 | 10 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Dibenz(a,h)anthracene | 37 | U | 37 | 19 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Dibenzofuran | 15 | J | 370 | 11 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Diethyl phthalate | 370 | U | 370 | 11 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Dimethyl phthalate | 370 | U | 370 | 11 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Di-n-butyl phthalate | 370 | U | 370 | 11 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Di-n-octyl phthalate | 370 | U | 370 | 19 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Fluoranthene | 61 | J | 370 | 11 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Fluorene | 10 | J | 370 | 8.0 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Hexachlorobenzene | 37 | U | 37 | 15 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Hexachlorobutadiene | 75 | U | 75 | 10 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Hexachlorocyclopentadiene | 370 | U * | 370 | 23 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Hexachloroethane | 37 | U | 37 | 14 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Indeno[1,2,3-cd]pyrene | 37 | U | 37 | 25 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Isophorone | 150 | U | 150 | 7.9 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Naphthalene | 85 | J | 370 | 9.4 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Nitrobenzene | 37 | U | 37 | 12 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| N-Nitrosodi-n-propylamine | 37 | U | 37 | 12 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| N-Nitrosodiphenylamine | 370 | U | 370 | 34 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Pentachlorophenol | 300 | U | 300 | 45 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Phenanthrene | 40 | J | 370 | 9.8 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Phenol | 370 | U | 370 | 12 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Pyrene | 61 | J | 370 | 17 | ug/Kg | ☼ | 04/10/16 09:05 | 04/12/16 00:01 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 71 | | 10 - 95 | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2-Fluorobiphenyl | 87 | * | 27 - 84 | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| 2-Fluorophenol (Surr) | 78 | | 21 - 84 | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Nitrobenzene-d5 (Surr) | 84 | | 28 - 92 | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Phenol-d5 (Surr) | 82 | | 22 - 88 | 04/10/16 09:05 | 04/12/16 00:01 | 1 |
| Terphenyl-d14 (Surr) | 99 | | 16 - 114 | 04/10/16 09:05 | 04/12/16 00:01 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Aluminum | 11600 | | 35.8 | 18.4 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Antimony | 3.6 | U | 3.6 | 1.4 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Arsenic | 6.4 | | 2.7 | 0.88 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Barium | 377 | | 35.8 | 1.3 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Beryllium | 0.45 | | 0.36 | 0.30 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Cadmium | 0.72 | U | 0.72 | 0.37 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Calcium | 1750 | | 894 | 52.9 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Chromium | 18.7 | | 1.8 | 0.86 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Cobalt | 4.7 | J | 8.9 | 1.0 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Copper | 178 | | 4.5 | 1.2 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Iron | 14900 | | 26.8 | 20.2 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Lead | 2140 | | 1.8 | 0.70 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Magnesium | 1620 | | 894 | 44.6 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Manganese | 212 | | 2.7 | 0.94 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Client Sample ID: A5

Date Collected: 04/08/16 14:00

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-2

Matrix: Solid

Percent Solids: 89.5

Method: 6010C - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Nickel | 12.1 | | 7.2 | 1.3 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Potassium | 356 | J | 894 | 27.1 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Selenium | 3.6 | U | 3.6 | 1.2 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Silver | 1.8 | U | 1.8 | 0.32 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Sodium | 894 | U | 894 | 60.5 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Thallium | 3.6 | U | 3.6 | 1.6 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Vanadium | 21.8 | | 8.9 | 0.89 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |
| Zinc | 135 | | 5.4 | 1.3 | mg/Kg | ☼ | 04/09/16 20:17 | 04/10/16 18:20 | 4 |

Client Sample ID: B4

Date Collected: 04/08/16 13:25

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-3

Matrix: Solid

Percent Solids: 93.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl | 350 | U | 350 | 30 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 1,2,4,5-Tetrachlorobenzene | 350 | U | 350 | 26 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2,2'-oxybis[1-chloropropane] | 350 | U | 350 | 14 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2,3,4,6-Tetrachlorophenol | 350 | U | 350 | 33 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2,4,5-Trichlorophenol | 350 | U | 350 | 35 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2,4,6-Trichlorophenol | 140 | U | 140 | 10 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2,4-Dichlorophenol | 140 | U | 140 | 8.3 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2,4-Dimethylphenol | 350 | U | 350 | 77 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2,4-Dinitrophenol | 280 | U | 280 | 270 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2,4-Dinitrotoluene | 71 | U | 71 | 14 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2,6-Dinitrotoluene | 71 | U | 71 | 19 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2-Chloronaphthalene | 350 | U | 350 | 8.0 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2-Chlorophenol | 350 | U | 350 | 8.9 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2-Methylnaphthalene | 8.1 | J | 350 | 7.8 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2-Methylphenol | 350 | U | 350 | 15 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2-Nitroaniline | 350 | U | 350 | 12 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2-Nitrophenol | 350 | U | 350 | 12 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 3,3'-Dichlorobenzidine | 140 | U | 140 | 39 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 3-Nitroaniline | 350 | U | 350 | 10 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 4,6-Dinitro-2-methylphenol | 280 | U | 280 | 94 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 4-Bromophenyl phenyl ether | 350 | U | 350 | 11 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 4-Chloro-3-methylphenol | 350 | U | 350 | 15 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 4-Chloroaniline | 350 | U | 350 | 9.0 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 4-Chlorophenyl phenyl ether | 350 | U | 350 | 11 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 4-Methylphenol | 350 | U | 350 | 9.6 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 4-Nitroaniline | 350 | U | 350 | 13 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 4-Nitrophenol | 710 | U | 710 | 170 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Acenaphthene | 350 | U | 350 | 8.5 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Acenaphthylene | 350 | U | 350 | 9.0 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Acetophenone | 350 | U | 350 | 7.7 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Anthracene | 350 | U | 350 | 33 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Atrazine | 140 | U | 140 | 16 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Benzaldehyde | 350 | U | 350 | 27 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Benzo[a]anthracene | 100 | | 35 | 29 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Benzo[a]pyrene | 100 | | 35 | 11 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Client Sample ID: B4

Lab Sample ID: 460-111850-3

Date Collected: 04/08/16 13:25

Matrix: Solid

Date Received: 04/08/16 18:00

Percent Solids: 93.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Benzo[b]fluoranthene | 130 | | 35 | 14 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Benzo[g,h,i]perylene | 66 | J | 350 | 20 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Benzo[k]fluoranthene | 63 | | 35 | 15 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Bis(2-chloroethoxy)methane | 350 | U | 350 | 11 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Bis(2-chloroethyl)ether | 35 | U | 35 | 8.3 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Bis(2-ethylhexyl) phthalate | 350 | U | 350 | 14 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Butyl benzyl phthalate | 350 | U | 350 | 11 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Caprolactam | 350 | U | 350 | 25 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Carbazole | 350 | U | 350 | 8.7 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Chrysene | 110 | J | 350 | 9.6 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Dibenz(a,h)anthracene | 35 | U | 35 | 18 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Dibenzofuran | 350 | U | 350 | 11 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Diethyl phthalate | 350 | U | 350 | 10 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Dimethyl phthalate | 350 | U | 350 | 10 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Di-n-butyl phthalate | 350 | U | 350 | 11 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Di-n-octyl phthalate | 350 | U | 350 | 18 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Fluoranthene | 160 | J | 350 | 10 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Fluorene | 350 | U | 350 | 7.7 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Hexachlorobenzene | 35 | U | 35 | 14 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Hexachlorobutadiene | 71 | U | 71 | 9.9 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Hexachlorocyclopentadiene | 350 | U | 350 | 22 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Hexachloroethane | 35 | U | 35 | 13 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Indeno[1,2,3-cd]pyrene | 82 | | 35 | 23 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Isophorone | 140 | U | 140 | 7.6 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Naphthalene | 16 | J | 350 | 8.9 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Nitrobenzene | 35 | U | 35 | 11 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| N-Nitrosodi-n-propylamine | 35 | U | 35 | 12 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| N-Nitrosodiphenylamine | 350 | U | 350 | 32 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Pentachlorophenol | 280 | U | 280 | 43 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Phenanthrene | 60 | J | 350 | 9.4 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Phenol | 350 | U | 350 | 11 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Pyrene | 180 | J | 350 | 16 | ug/Kg | ☼ | 04/11/16 13:02 | 04/13/16 11:44 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 26 | | 10 - 95 | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2-Fluorobiphenyl | 73 | | 27 - 84 | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| 2-Fluorophenol (Surr) | 60 | | 21 - 84 | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Nitrobenzene-d5 (Surr) | 69 | | 28 - 92 | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Phenol-d5 (Surr) | 63 | | 22 - 88 | 04/11/16 13:02 | 04/13/16 11:44 | 1 |
| Terphenyl-d14 (Surr) | 85 | | 16 - 114 | 04/11/16 13:02 | 04/13/16 11:44 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Aluminum | 5920 | | 40.6 | 20.9 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Antimony | 4.1 | U | 4.1 | 1.6 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Arsenic | 8.7 | | 3.0 | 1.0 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Barium | 26.4 | J | 40.6 | 1.5 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Beryllium | 0.41 | U | 0.41 | 0.34 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Cadmium | 0.81 | U | 0.81 | 0.42 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Calcium | 506 | J | 1020 | 60.1 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Client Sample ID: B4

Date Collected: 04/08/16 13:25

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-3

Matrix: Solid

Percent Solids: 93.8

Method: 6010C - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Chromium | 9.8 | | 2.0 | 0.98 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Cobalt | 3.0 | J | 10.2 | 1.2 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Copper | 11.6 | | 5.1 | 1.3 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Iron | 10500 | | 30.5 | 22.9 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Lead | 19.4 | | 2.0 | 0.80 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Magnesium | 858 | J | 1020 | 50.7 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Manganese | 174 | | 3.0 | 1.1 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Nickel | 7.6 | J | 8.1 | 1.5 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Potassium | 255 | J | 1020 | 30.8 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Selenium | 4.1 | U | 4.1 | 1.4 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Silver | 2.0 | U | 2.0 | 0.36 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Sodium | 1020 | U | 1020 | 68.7 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Thallium | 4.1 | U | 4.1 | 1.8 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Vanadium | 12.3 | | 10.2 | 1.0 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |
| Zinc | 29.4 | | 6.1 | 1.5 | mg/Kg | ☼ | 04/11/16 07:48 | 04/11/16 19:02 | 4 |

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|----------------------|------------------------|--|----------------|----------------|----------------|----------------|-----------------|
| | | TBP (10-95) | FBP (27-84) | 2FP (21-84) | NBZ (28-92) | PHL (22-88) | TPH (16-114) |
| 460-111767-D-4-B MS | Matrix Spike | 72 | 82 | 71 | 77 | 73 | 88 |
| 460-111767-D-4-C MSD | Matrix Spike Duplicate | 76 | 83 | 72 | 79 | 74 | 90 |
| 460-111850-1 | A4 | 86 | 91 * | 84 | 89 | 87 | 103 |
| 460-111850-2 | A5 | 71 | 87 * | 78 | 84 | 82 | 99 |
| 460-111850-3 | B4 | 26 | 73 | 60 | 69 | 63 | 85 |
| 460-111850-3 MS | B4 | 50 | 68 | 58 | 65 | 58 | 76 |
| 460-111850-3 MSD | B4 | 51 | 73 | 60 | 68 | 62 | 76 |
| LCS 460-361719/2-A | Lab Control Sample | 86 | 87 * | 76 | 83 | 77 | 93 |
| LCS 460-361719/3-A | Lab Control Sample | 79 | 87 * | 76 | 85 | 76 | 96 |
| LCS 460-361911/2-A | Lab Control Sample | 68 | 80 | 70 | 76 | 69 | 90 |
| LCS 460-361911/3-A | Lab Control Sample | 48 | 81 | 71 | 78 | 72 | 94 |
| MB 460-361719/1-A | Method Blank | 77 | 73 | 65 | 60 | 61 | 106 |
| MB 460-361911/1-A | Method Blank | 49 | 73 | 68 | 71 | 67 | 88 |

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPH = Terphenyl-d14 (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-361719/1-A

Matrix: Solid

Analysis Batch: 362008

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|-----------------|-----|-----|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl | 330 | U | 330 | 28 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 1,2,4,5-Tetrachlorobenzene | 330 | U | 330 | 25 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2,2'-oxybis[1-chloropropane] | 330 | U | 330 | 14 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2,3,4,6-Tetrachlorophenol | 330 | U | 330 | 31 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2,4,5-Trichlorophenol | 330 | U | 330 | 33 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2,4,6-Trichlorophenol | 130 | U | 130 | 9.4 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2,4-Dichlorophenol | 130 | U | 130 | 7.8 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2,4-Dimethylphenol | 330 | U | 330 | 73 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2,4-Dinitrophenol | 270 | U | 270 | 250 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2,4-Dinitrotoluene | 67 | U | 67 | 13 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2,6-Dinitrotoluene | 67 | U | 67 | 18 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2-Chloronaphthalene | 330 | U | 330 | 7.5 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2-Chlorophenol | 330 | U | 330 | 8.4 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2-Methylnaphthalene | 330 | U | 330 | 7.3 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2-Methylphenol | 330 | U | 330 | 14 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2-Nitroaniline | 330 | U | 330 | 11 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2-Nitrophenol | 330 | U | 330 | 11 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 3,3'-Dichlorobenzidine | 130 | U | 130 | 37 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 3-Nitroaniline | 330 | U | 330 | 9.8 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 4,6-Dinitro-2-methylphenol | 270 | U | 270 | 88 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 4-Bromophenyl phenyl ether | 330 | U | 330 | 10 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 4-Chloro-3-methylphenol | 330 | U | 330 | 14 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 4-Chloroaniline | 330 | U | 330 | 8.5 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 4-Chlorophenyl phenyl ether | 330 | U | 330 | 9.9 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 4-Methylphenol | 330 | U | 330 | 9.0 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 4-Nitroaniline | 330 | U | 330 | 13 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 4-Nitrophenol | 670 | U | 670 | 160 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Acenaphthene | 330 | U | 330 | 8.0 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Acenaphthylene | 330 | U | 330 | 8.5 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Acetophenone | 330 | U | 330 | 7.2 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Anthracene | 330 | U | 330 | 31 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Atrazine | 130 | U | 130 | 15 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Benzaldehyde | 330 | U | 330 | 25 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Benzo[a]anthracene | 33 | U | 33 | 28 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Benzo[a]pyrene | 33 | U | 33 | 10 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Benzo[b]fluoranthene | 33 | U | 33 | 13 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Benzo[g,h,i]perylene | 330 | U | 330 | 19 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Benzo[k]fluoranthene | 33 | U | 33 | 14 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Bis(2-chloroethoxy)methane | 330 | U | 330 | 10 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Bis(2-chloroethyl)ether | 33 | U | 33 | 7.8 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Bis(2-ethylhexyl) phthalate | 330 | U | 330 | 13 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Butyl benzyl phthalate | 330 | U | 330 | 10 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Caprolactam | 330 | U | 330 | 24 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Carbazole | 330 | U | 330 | 8.2 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Chrysene | 330 | U | 330 | 9.0 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Dibenz(a,h)anthracene | 33 | U | 33 | 17 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Dibenzofuran | 330 | U | 330 | 10 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Diethyl phthalate | 330 | U | 330 | 9.4 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-361719/1-A

Matrix: Solid

Analysis Batch: 362008

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Dimethyl phthalate | 330 | U | 330 | 9.6 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Di-n-butyl phthalate | 330 | U | 330 | 9.9 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Di-n-octyl phthalate | 330 | U | 330 | 17 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Fluoranthene | 330 | U | 330 | 9.8 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Fluorene | 330 | U | 330 | 7.2 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Hexachlorobenzene | 33 | U | 33 | 13 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Hexachlorobutadiene | 67 | U | 67 | 9.3 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Hexachlorocyclopentadiene | 330 | U | 330 | 21 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Hexachloroethane | 33 | U | 33 | 12 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Indeno[1,2,3-cd]pyrene | 33 | U | 33 | 22 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Isophorone | 130 | U | 130 | 7.1 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Naphthalene | 330 | U | 330 | 8.4 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Nitrobenzene | 33 | U | 33 | 10 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| N-Nitrosodi-n-propylamine | 33 | U | 33 | 11 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| N-Nitrosodiphenylamine | 330 | U | 330 | 30 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Pentachlorophenol | 270 | U | 270 | 40 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Phenanthrene | 330 | U | 330 | 8.8 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Phenol | 330 | U | 330 | 11 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Pyrene | 330 | U | 330 | 15 | ug/Kg | | 04/10/16 09:03 | 04/12/16 10:35 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 77 | | 10 - 95 | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2-Fluorobiphenyl | 73 | | 27 - 84 | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| 2-Fluorophenol (Surr) | 65 | | 21 - 84 | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Nitrobenzene-d5 (Surr) | 60 | | 28 - 92 | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Phenol-d5 (Surr) | 61 | | 22 - 88 | 04/10/16 09:03 | 04/12/16 10:35 | 1 |
| Terphenyl-d14 (Surr) | 106 | | 16 - 114 | 04/10/16 09:03 | 04/12/16 10:35 | 1 |

Lab Sample ID: LCS 460-361719/2-A

Matrix: Solid

Analysis Batch: 361964

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| 1,1'-Biphenyl | 3330 | 2980 | | ug/Kg | | 89 | 64 - 103 |
| 1,2,4,5-Tetrachlorobenzene | 3330 | 3050 | | ug/Kg | | 91 | 62 - 109 |
| 2,2'-oxybis[1-chloropropane] | 3330 | 2640 | | ug/Kg | | 79 | 42 - 119 |
| 2,3,4,6-Tetrachlorophenol | 3330 | 3080 | | ug/Kg | | 93 | 57 - 113 |
| 2,4,5-Trichlorophenol | 3330 | 2920 | | ug/Kg | | 88 | 59 - 105 |
| 2,4,6-Trichlorophenol | 3330 | 3000 | | ug/Kg | | 90 | 61 - 107 |
| 2,4-Dichlorophenol | 3330 | 2820 | | ug/Kg | | 84 | 59 - 99 |
| 2,4-Dimethylphenol | 3330 | 2800 | | ug/Kg | | 84 | 60 - 98 |
| 2,4-Dinitrophenol | 6670 | 5800 | | ug/Kg | | 87 | 26 - 137 |
| 2,4-Dinitrotoluene | 3330 | 3270 | | ug/Kg | | 98 | 61 - 118 |
| 2,6-Dinitrotoluene | 3330 | 3100 | | ug/Kg | | 93 | 63 - 112 |
| 2-Chloronaphthalene | 3330 | 3020 | | ug/Kg | | 91 | 63 - 102 |
| 2-Chlorophenol | 3330 | 2680 | | ug/Kg | | 80 | 58 - 95 |
| 2-Methylnaphthalene | 3330 | 2800 | | ug/Kg | | 84 | 64 - 102 |
| 2-Methylphenol | 3330 | 2700 | | ug/Kg | | 81 | 56 - 99 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-361719/2-A

Matrix: Solid

Analysis Batch: 361964

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| 2-Nitroaniline | 3330 | 2950 | | ug/Kg | | 88 | 46 - 113 |
| 2-Nitrophenol | 3330 | 2910 | | ug/Kg | | 87 | 63 - 103 |
| 3,3'-Dichlorobenzidine | 3330 | 1240 | | ug/Kg | | 37 | 18 - 92 |
| 3-Nitroaniline | 3330 | 1630 | | ug/Kg | | 49 | 23 - 89 |
| 4,6-Dinitro-2-methylphenol | 6670 | 6010 | | ug/Kg | | 90 | 51 - 124 |
| 4-Bromophenyl phenyl ether | 3330 | 3110 | | ug/Kg | | 93 | 65 - 114 |
| 4-Chloro-3-methylphenol | 3330 | 2930 | | ug/Kg | | 88 | 58 - 108 |
| 4-Chloroaniline | 3330 | 1130 | | ug/Kg | | 34 | 10 - 82 |
| 4-Chlorophenyl phenyl ether | 3330 | 3010 | | ug/Kg | | 90 | 63 - 107 |
| 4-Methylphenol | 3330 | 2670 | | ug/Kg | | 80 | 53 - 103 |
| 4-Nitroaniline | 3330 | 2720 | | ug/Kg | | 82 | 44 - 109 |
| 4-Nitrophenol | 6670 | 6050 | | ug/Kg | | 91 | 45 - 125 |
| Acenaphthene | 3330 | 3040 | | ug/Kg | | 91 | 59 - 102 |
| Acenaphthylene | 3330 | 3050 | | ug/Kg | | 92 | 63 - 102 |
| Acetophenone | 3330 | 2580 | | ug/Kg | | 77 | 56 - 107 |
| Anthracene | 3330 | 3080 | | ug/Kg | | 92 | 66 - 105 |
| Benzo[a]anthracene | 3330 | 2980 | | ug/Kg | | 89 | 65 - 106 |
| Benzo[a]pyrene | 3330 | 3230 | | ug/Kg | | 97 | 68 - 111 |
| Benzo[b]fluoranthene | 3330 | 3210 | | ug/Kg | | 96 | 67 - 116 |
| Benzo[g,h,i]perylene | 3330 | 2770 | | ug/Kg | | 83 | 49 - 124 |
| Benzo[k]fluoranthene | 3330 | 3250 | | ug/Kg | | 97 | 65 - 114 |
| Bis(2-chloroethoxy)methane | 3330 | 2940 | | ug/Kg | | 88 | 61 - 102 |
| Bis(2-chloroethyl)ether | 3330 | 2740 | | ug/Kg | | 82 | 58 - 102 |
| Bis(2-ethylhexyl) phthalate | 3330 | 3160 | | ug/Kg | | 95 | 60 - 125 |
| Butyl benzyl phthalate | 3330 | 3220 | | ug/Kg | | 97 | 62 - 123 |
| Carbazole | 3330 | 3070 | | ug/Kg | | 92 | 62 - 107 |
| Chrysene | 3330 | 3230 | | ug/Kg | | 97 | 64 - 105 |
| Dibenz(a,h)anthracene | 3330 | 3100 | | ug/Kg | | 93 | 54 - 126 |
| Dibenzofuran | 3330 | 2980 | | ug/Kg | | 89 | 62 - 102 |
| Diethyl phthalate | 3330 | 3150 | | ug/Kg | | 94 | 61 - 110 |
| Dimethyl phthalate | 3330 | 3130 | | ug/Kg | | 94 | 64 - 108 |
| Di-n-butyl phthalate | 3330 | 3190 | | ug/Kg | | 96 | 62 - 114 |
| Di-n-octyl phthalate | 3330 | 3400 | | ug/Kg | | 102 | 52 - 137 |
| Fluoranthene | 3330 | 3130 | | ug/Kg | | 94 | 59 - 109 |
| Fluorene | 3330 | 2960 | | ug/Kg | | 89 | 65 - 108 |
| Hexachlorobenzene | 3330 | 3030 | | ug/Kg | | 91 | 65 - 117 |
| Hexachlorobutadiene | 3330 | 2990 | | ug/Kg | | 90 | 60 - 105 |
| Hexachlorocyclopentadiene | 3330 | 4080 | * | ug/Kg | | 122 | 37 - 119 |
| Hexachloroethane | 3330 | 2730 | | ug/Kg | | 82 | 60 - 94 |
| Indeno[1,2,3-cd]pyrene | 3330 | 3570 | | ug/Kg | | 107 | 50 - 134 |
| Isophorone | 3330 | 3020 | | ug/Kg | | 91 | 60 - 102 |
| Naphthalene | 3330 | 2870 | | ug/Kg | | 86 | 64 - 99 |
| Nitrobenzene | 3330 | 2940 | | ug/Kg | | 88 | 59 - 102 |
| N-Nitrosodi-n-propylamine | 3330 | 2790 | | ug/Kg | | 84 | 56 - 112 |
| N-Nitrosodiphenylamine | 3330 | 3030 | | ug/Kg | | 91 | 71 - 119 |
| Pentachlorophenol | 6670 | 6450 | | ug/Kg | | 97 | 47 - 115 |
| Phenanthrene | 3330 | 2980 | | ug/Kg | | 89 | 66 - 105 |
| Phenol | 3330 | 2630 | | ug/Kg | | 79 | 55 - 99 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-361719/2-A

Matrix: Solid

Analysis Batch: 361964

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|---------------|---------------|-------|---|------|--------------|
| Pyrene | 3330 | 3120 | | ug/Kg | | 94 | 55 - 126 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 2,4,6-Tribromophenol (Surr) | 86 | | 10 - 95 | | | | |
| 2-Fluorobiphenyl | 87 | * | 27 - 84 | | | | |
| 2-Fluorophenol (Surr) | 76 | | 21 - 84 | | | | |
| Nitrobenzene-d5 (Surr) | 83 | | 28 - 92 | | | | |
| Phenol-d5 (Surr) | 77 | | 22 - 88 | | | | |
| Terphenyl-d14 (Surr) | 93 | | 16 - 114 | | | | |

Lab Sample ID: LCS 460-361719/3-A

Matrix: Solid

Analysis Batch: 361964

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|---------------|---------------|-------|---|------|--------------|
| Atrazine | 6670 | 6730 | | ug/Kg | | 101 | 41 - 116 |
| Benzaldehyde | 6670 | 5950 | | ug/Kg | | 89 | 55 - 116 |
| Caprolactam | 6670 | 6900 | | ug/Kg | | 104 | 44 - 129 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 2,4,6-Tribromophenol (Surr) | 79 | | 10 - 95 | | | | |
| 2-Fluorobiphenyl | 87 | * | 27 - 84 | | | | |
| 2-Fluorophenol (Surr) | 76 | | 21 - 84 | | | | |
| Nitrobenzene-d5 (Surr) | 85 | | 28 - 92 | | | | |
| Phenol-d5 (Surr) | 76 | | 22 - 88 | | | | |
| Terphenyl-d14 (Surr) | 96 | | 16 - 114 | | | | |

Lab Sample ID: 460-111767-D-4-B MS

Matrix: Solid

Analysis Batch: 361964

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| 1,1'-Biphenyl | 230 | J | 3850 | 3520 | | ug/Kg | ☼ | 85 | 64 - 103 |
| 1,2,4,5-Tetrachlorobenzene | 380 | U | 3850 | 3420 | | ug/Kg | ☼ | 89 | 62 - 109 |
| 2,2'-oxybis[1-chloropropane] | 380 | U | 3850 | 2980 | | ug/Kg | ☼ | 77 | 42 - 119 |
| 2,3,4,6-Tetrachlorophenol | 380 | U | 3850 | 3040 | | ug/Kg | ☼ | 79 | 57 - 113 |
| 2,4,5-Trichlorophenol | 380 | U | 3850 | 3020 | | ug/Kg | ☼ | 78 | 59 - 105 |
| 2,4,6-Trichlorophenol | 150 | U | 3850 | 3170 | | ug/Kg | ☼ | 82 | 61 - 107 |
| 2,4-Dichlorophenol | 150 | U | 3850 | 3050 | | ug/Kg | ☼ | 79 | 59 - 99 |
| 2,4-Dimethylphenol | 380 | U | 3850 | 3090 | | ug/Kg | ☼ | 80 | 60 - 98 |
| 2,4-Dinitrophenol | 310 | U | 7700 | 3790 | | ug/Kg | ☼ | 49 | 26 - 137 |
| 2,4-Dinitrotoluene | 78 | U | 3850 | 3540 | | ug/Kg | ☼ | 92 | 61 - 118 |
| 2,6-Dinitrotoluene | 78 | U | 3850 | 3460 | | ug/Kg | ☼ | 90 | 63 - 112 |
| 2-Chloronaphthalene | 380 | U | 3850 | 3370 | | ug/Kg | ☼ | 88 | 63 - 102 |
| 2-Chlorophenol | 380 | U | 3850 | 3030 | | ug/Kg | ☼ | 79 | 58 - 95 |
| 2-Methylnaphthalene | 1400 | | 3850 | 4260 | | ug/Kg | ☼ | 75 | 64 - 102 |
| 2-Methylphenol | 380 | U | 3850 | 3020 | | ug/Kg | ☼ | 78 | 56 - 99 |
| 2-Nitroaniline | 380 | U | 3850 | 3270 | | ug/Kg | ☼ | 85 | 46 - 113 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-111767-D-4-B MS

Matrix: Solid

Analysis Batch: 361964

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| 2-Nitrophenol | 380 | U | 3850 | 2950 | | ug/Kg | ☼ | 77 | 63 - 103 |
| 3,3'-Dichlorobenzidine | 150 | U | 3850 | 1660 | | ug/Kg | ☼ | 43 | 18 - 92 |
| 3-Nitroaniline | 380 | U | 3850 | 1540 | | ug/Kg | ☼ | 40 | 23 - 89 |
| 4,6-Dinitro-2-methylphenol | 310 | U | 7700 | 5330 | | ug/Kg | ☼ | 69 | 51 - 124 |
| 4-Bromophenyl phenyl ether | 380 | U | 3850 | 3570 | | ug/Kg | ☼ | 93 | 65 - 114 |
| 4-Chloro-3-methylphenol | 380 | U | 3850 | 3130 | | ug/Kg | ☼ | 81 | 58 - 108 |
| 4-Chloroaniline | 380 | U | 3850 | 772 | | ug/Kg | ☼ | 20 | 10 - 82 |
| 4-Chlorophenyl phenyl ether | 380 | U | 3850 | 3280 | | ug/Kg | ☼ | 85 | 63 - 107 |
| 4-Methylphenol | 380 | U | 3850 | 2970 | | ug/Kg | ☼ | 77 | 53 - 103 |
| 4-Nitroaniline | 380 | U | 3850 | 2800 | | ug/Kg | ☼ | 73 | 44 - 109 |
| 4-Nitrophenol | 780 | U | 7700 | 6270 | | ug/Kg | ☼ | 81 | 45 - 125 |
| Acenaphthene | 170 | J | 3850 | 3380 | | ug/Kg | ☼ | 83 | 59 - 102 |
| Acenaphthylene | 50 | J | 3850 | 3420 | | ug/Kg | ☼ | 87 | 63 - 102 |
| Acetophenone | 31 | J | 3850 | 3030 | | ug/Kg | ☼ | 78 | 56 - 107 |
| Anthracene | 99 | J | 3850 | 3560 | | ug/Kg | ☼ | 90 | 66 - 105 |
| Atrazine | 150 | U | 7700 | 7170 | | ug/Kg | ☼ | 93 | 41 - 116 |
| Benzaldehyde | 380 | U | 7700 | 6310 | | ug/Kg | ☼ | 82 | 55 - 116 |
| Benzo[a]anthracene | 130 | | 3850 | 3450 | | ug/Kg | ☼ | 86 | 65 - 106 |
| Benzo[a]pyrene | 52 | | 3850 | 3600 | | ug/Kg | ☼ | 92 | 68 - 111 |
| Benzo[b]fluoranthene | 110 | | 3850 | 3630 | | ug/Kg | ☼ | 92 | 67 - 116 |
| Benzo[g,h,i]perylene | 46 | J | 3850 | 3150 | | ug/Kg | ☼ | 81 | 49 - 124 |
| Benzo[k]fluoranthene | 41 | | 3850 | 3700 | | ug/Kg | ☼ | 95 | 65 - 114 |
| Bis(2-chloroethoxy)methane | 380 | U | 3850 | 3310 | | ug/Kg | ☼ | 86 | 61 - 102 |
| Bis(2-chloroethyl)ether | 38 | U | 3850 | 3120 | | ug/Kg | ☼ | 81 | 58 - 102 |
| Bis(2-ethylhexyl) phthalate | 380 | U | 3850 | 3610 | | ug/Kg | ☼ | 94 | 60 - 125 |
| Butyl benzyl phthalate | 380 | U | 3850 | 3690 | | ug/Kg | ☼ | 96 | 62 - 123 |
| Caprolactam | 380 | U | 7700 | 6240 | | ug/Kg | ☼ | 81 | 44 - 129 |
| Carbazole | 380 | U | 3850 | 3430 | | ug/Kg | ☼ | 89 | 62 - 107 |
| Chrysene | 140 | J | 3850 | 3650 | | ug/Kg | ☼ | 91 | 64 - 105 |
| Dibenz(a,h)anthracene | 38 | U | 3850 | 3460 | | ug/Kg | ☼ | 90 | 54 - 126 |
| Dibenzofuran | 360 | J | 3850 | 3650 | | ug/Kg | ☼ | 85 | 62 - 102 |
| Diethyl phthalate | 380 | U | 3850 | 3460 | | ug/Kg | ☼ | 90 | 61 - 110 |
| Dimethyl phthalate | 380 | U | 3850 | 3440 | | ug/Kg | ☼ | 89 | 64 - 108 |
| Di-n-butyl phthalate | 380 | U | 3850 | 3600 | | ug/Kg | ☼ | 93 | 62 - 114 |
| Di-n-octyl phthalate | 380 | U | 3850 | 3950 | | ug/Kg | ☼ | 103 | 52 - 137 |
| Fluoranthene | 390 | | 3850 | 3790 | | ug/Kg | ☼ | 88 | 59 - 109 |
| Fluorene | 690 | | 3850 | 3920 | | ug/Kg | ☼ | 84 | 65 - 108 |
| Hexachlorobenzene | 38 | U | 3850 | 3430 | | ug/Kg | ☼ | 89 | 65 - 117 |
| Hexachlorobutadiene | 78 | U | 3850 | 3290 | | ug/Kg | ☼ | 85 | 60 - 105 |
| Hexachlorocyclopentadiene | 380 | U * | 3850 | 4220 | | ug/Kg | ☼ | 110 | 37 - 119 |
| Hexachloroethane | 38 | U | 3850 | 3040 | | ug/Kg | ☼ | 79 | 60 - 94 |
| Indeno[1,2,3-cd]pyrene | 53 | | 3850 | 4030 | | ug/Kg | ☼ | 103 | 50 - 134 |
| Isophorone | 150 | U | 3850 | 3380 | | ug/Kg | ☼ | 88 | 60 - 102 |
| Naphthalene | 2100 | | 3850 | 5390 | | ug/Kg | ☼ | 87 | 64 - 99 |
| Nitrobenzene | 38 | U | 3850 | 3060 | | ug/Kg | ☼ | 80 | 59 - 102 |
| N-Nitrosodi-n-propylamine | 38 | U | 3850 | 3190 | | ug/Kg | ☼ | 83 | 56 - 112 |
| N-Nitrosodiphenylamine | 380 | U | 3850 | 3480 | | ug/Kg | ☼ | 90 | 71 - 119 |
| Pentachlorophenol | 310 | U | 7700 | 6030 | | ug/Kg | ☼ | 78 | 47 - 115 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-111767-D-4-B MS

Matrix: Solid

Analysis Batch: 361964

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Phenanthrene | 1500 | | 3850 | 4910 | | ug/Kg | ☼ | 89 | 66 - 105 |
| Phenol | 380 | U | 3850 | 2980 | | ug/Kg | ☼ | 78 | 55 - 99 |
| Pyrene | 340 | J | 3850 | 3890 | | ug/Kg | ☼ | 92 | 55 - 126 |
| Surrogate | MS %Recovery | MS Qualifier | MS Limits | | | | | | |
| 2,4,6-Tribromophenol (Surr) | 72 | | 10 - 95 | | | | | | |
| 2-Fluorobiphenyl | 82 | | 27 - 84 | | | | | | |
| 2-Fluorophenol (Surr) | 71 | | 21 - 84 | | | | | | |
| Nitrobenzene-d5 (Surr) | 77 | | 28 - 92 | | | | | | |
| Phenol-d5 (Surr) | 73 | | 22 - 88 | | | | | | |
| Terphenyl-d14 (Surr) | 88 | | 16 - 114 | | | | | | |

Lab Sample ID: 460-111767-D-4-C MSD

Matrix: Solid

Analysis Batch: 361964

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| 1,1'-Biphenyl | 230 | J | 3840 | 3360 | | ug/Kg | ☼ | 81 | 64 - 103 | 5 | 30 |
| 1,2,4,5-Tetrachlorobenzene | 380 | U | 3840 | 3280 | | ug/Kg | ☼ | 85 | 62 - 109 | 4 | 30 |
| 2,2'-oxybis[1-chloropropane] | 380 | U | 3840 | 2910 | | ug/Kg | ☼ | 76 | 42 - 119 | 2 | 30 |
| 2,3,4,6-Tetrachlorophenol | 380 | U | 3840 | 3010 | | ug/Kg | ☼ | 78 | 57 - 113 | 1 | 30 |
| 2,4,5-Trichlorophenol | 380 | U | 3840 | 2930 | | ug/Kg | ☼ | 76 | 59 - 105 | 3 | 30 |
| 2,4,6-Trichlorophenol | 150 | U | 3840 | 3060 | | ug/Kg | ☼ | 80 | 61 - 107 | 3 | 30 |
| 2,4-Dichlorophenol | 150 | U | 3840 | 2950 | | ug/Kg | ☼ | 77 | 59 - 99 | 3 | 30 |
| 2,4-Dimethylphenol | 380 | U | 3840 | 3010 | | ug/Kg | ☼ | 78 | 60 - 98 | 3 | 30 |
| 2,4-Dinitrophenol | 310 | U | 7680 | 3870 | | ug/Kg | ☼ | 50 | 26 - 137 | 2 | 30 |
| 2,4-Dinitrotoluene | 78 | U | 3840 | 3530 | | ug/Kg | ☼ | 92 | 61 - 118 | 0 | 30 |
| 2,6-Dinitrotoluene | 78 | U | 3840 | 3410 | | ug/Kg | ☼ | 89 | 63 - 112 | 2 | 30 |
| 2-Chloronaphthalene | 380 | U | 3840 | 3250 | | ug/Kg | ☼ | 85 | 63 - 102 | 4 | 30 |
| 2-Chlorophenol | 380 | U | 3840 | 2900 | | ug/Kg | ☼ | 76 | 58 - 95 | 4 | 30 |
| 2-Methylnaphthalene | 1400 | | 3840 | 4060 | | ug/Kg | ☼ | 70 | 64 - 102 | 5 | 30 |
| 2-Methylphenol | 380 | U | 3840 | 2910 | | ug/Kg | ☼ | 76 | 56 - 99 | 4 | 30 |
| 2-Nitroaniline | 380 | U | 3840 | 3250 | | ug/Kg | ☼ | 85 | 46 - 113 | 1 | 30 |
| 2-Nitrophenol | 380 | U | 3840 | 2930 | | ug/Kg | ☼ | 76 | 63 - 103 | 1 | 30 |
| 3,3'-Dichlorobenzidine | 150 | U | 3840 | 1790 | | ug/Kg | ☼ | 47 | 18 - 92 | 8 | 30 |
| 3-Nitroaniline | 380 | U | 3840 | 1720 | | ug/Kg | ☼ | 45 | 23 - 89 | 11 | 30 |
| 4,6-Dinitro-2-methylphenol | 310 | U | 7680 | 5230 | | ug/Kg | ☼ | 68 | 51 - 124 | 2 | 30 |
| 4-Bromophenyl phenyl ether | 380 | U | 3840 | 3350 | | ug/Kg | ☼ | 87 | 65 - 114 | 6 | 30 |
| 4-Chloro-3-methylphenol | 380 | U | 3840 | 3070 | | ug/Kg | ☼ | 80 | 58 - 108 | 2 | 30 |
| 4-Chloroaniline | 380 | U | 3840 | 876 | | ug/Kg | ☼ | 23 | 10 - 82 | 13 | 30 |
| 4-Chlorophenyl phenyl ether | 380 | U | 3840 | 3200 | | ug/Kg | ☼ | 83 | 63 - 107 | 2 | 30 |
| 4-Methylphenol | 380 | U | 3840 | 2870 | | ug/Kg | ☼ | 75 | 53 - 103 | 3 | 30 |
| 4-Nitroaniline | 380 | U | 3840 | 2830 | | ug/Kg | ☼ | 74 | 44 - 109 | 1 | 30 |
| 4-Nitrophenol | 780 | U | 7680 | 6160 | | ug/Kg | ☼ | 80 | 45 - 125 | 2 | 30 |
| Acenaphthene | 170 | J | 3840 | 3470 | | ug/Kg | ☼ | 86 | 59 - 102 | 3 | 30 |
| Acenaphthylene | 50 | J | 3840 | 3330 | | ug/Kg | ☼ | 85 | 63 - 102 | 3 | 30 |
| Acetophenone | 31 | J | 3840 | 2900 | | ug/Kg | ☼ | 75 | 56 - 107 | 4 | 30 |
| Anthracene | 99 | J | 3840 | 3410 | | ug/Kg | ☼ | 86 | 66 - 105 | 4 | 30 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-111767-D-4-C MSD

Matrix: Solid

Analysis Batch: 361964

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 361719

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Atrazine | 150 | U | 7680 | 7070 | | ug/Kg | ☼ | 92 | 41 - 116 | 1 | 30 |
| Benzaldehyde | 380 | U | 7680 | 6110 | | ug/Kg | ☼ | 80 | 55 - 116 | 3 | 30 |
| Benzo[a]anthracene | 130 | | 3840 | 3340 | | ug/Kg | ☼ | 84 | 65 - 106 | 3 | 30 |
| Benzo[a]pyrene | 52 | | 3840 | 3420 | | ug/Kg | ☼ | 88 | 68 - 111 | 5 | 30 |
| Benzo[b]fluoranthene | 110 | | 3840 | 3630 | | ug/Kg | ☼ | 92 | 67 - 116 | 0 | 30 |
| Benzo[g,h,i]perylene | 46 | J | 3840 | 3040 | | ug/Kg | ☼ | 78 | 49 - 124 | 3 | 30 |
| Benzo[k]fluoranthene | 41 | | 3840 | 3400 | | ug/Kg | ☼ | 87 | 65 - 114 | 8 | 30 |
| Bis(2-chloroethoxy)methane | 380 | U | 3840 | 3170 | | ug/Kg | ☼ | 83 | 61 - 102 | 4 | 30 |
| Bis(2-chloroethyl)ether | 38 | U | 3840 | 3000 | | ug/Kg | ☼ | 78 | 58 - 102 | 4 | 30 |
| Bis(2-ethylhexyl) phthalate | 380 | U | 3840 | 3520 | | ug/Kg | ☼ | 92 | 60 - 125 | 2 | 30 |
| Butyl benzyl phthalate | 380 | U | 3840 | 3590 | | ug/Kg | ☼ | 94 | 62 - 123 | 3 | 30 |
| Caprolactam | 380 | U | 7680 | 6640 | | ug/Kg | ☼ | 87 | 44 - 129 | 6 | 30 |
| Carbazole | 380 | U | 3840 | 3270 | | ug/Kg | ☼ | 85 | 62 - 107 | 5 | 30 |
| Chrysene | 140 | J | 3840 | 3510 | | ug/Kg | ☼ | 88 | 64 - 105 | 4 | 30 |
| Dibenz(a,h)anthracene | 38 | U | 3840 | 3310 | | ug/Kg | ☼ | 86 | 54 - 126 | 4 | 30 |
| Dibenzofuran | 360 | J | 3840 | 3530 | | ug/Kg | ☼ | 83 | 62 - 102 | 3 | 30 |
| Diethyl phthalate | 380 | U | 3840 | 3390 | | ug/Kg | ☼ | 88 | 61 - 110 | 2 | 30 |
| Dimethyl phthalate | 380 | U | 3840 | 3370 | | ug/Kg | ☼ | 88 | 64 - 108 | 2 | 30 |
| Di-n-butyl phthalate | 380 | U | 3840 | 3480 | | ug/Kg | ☼ | 91 | 62 - 114 | 3 | 30 |
| Di-n-octyl phthalate | 380 | U | 3840 | 3770 | | ug/Kg | ☼ | 98 | 52 - 137 | 5 | 30 |
| Fluoranthene | 390 | | 3840 | 3610 | | ug/Kg | ☼ | 84 | 59 - 109 | 5 | 30 |
| Fluorene | 690 | | 3840 | 3760 | | ug/Kg | ☼ | 80 | 65 - 108 | 4 | 30 |
| Hexachlorobenzene | 38 | U | 3840 | 3290 | | ug/Kg | ☼ | 86 | 65 - 117 | 4 | 30 |
| Hexachlorobutadiene | 78 | U | 3840 | 3180 | | ug/Kg | ☼ | 83 | 60 - 105 | 3 | 30 |
| Hexachlorocyclopentadiene | 380 | U * | 3840 | 3950 | | ug/Kg | ☼ | 103 | 37 - 119 | 6 | 30 |
| Hexachloroethane | 38 | U | 3840 | 3050 | | ug/Kg | ☼ | 79 | 60 - 94 | 0 | 30 |
| Indeno[1,2,3-cd]pyrene | 53 | | 3840 | 3890 | | ug/Kg | ☼ | 100 | 50 - 134 | 4 | 30 |
| Isophorone | 150 | U | 3840 | 3310 | | ug/Kg | ☼ | 86 | 60 - 102 | 2 | 30 |
| Naphthalene | 2100 | | 3840 | 5050 | | ug/Kg | ☼ | 78 | 64 - 99 | 6 | 30 |
| Nitrobenzene | 38 | U | 3840 | 3030 | | ug/Kg | ☼ | 79 | 59 - 102 | 1 | 30 |
| N-Nitrosodi-n-propylamine | 38 | U | 3840 | 3090 | | ug/Kg | ☼ | 80 | 56 - 112 | 3 | 30 |
| N-Nitrosodiphenylamine | 380 | U | 3840 | 3300 | | ug/Kg | ☼ | 86 | 71 - 119 | 5 | 30 |
| Pentachlorophenol | 310 | U | 7680 | 5860 | | ug/Kg | ☼ | 76 | 47 - 115 | 3 | 30 |
| Phenanthrene | 1500 | | 3840 | 4540 | | ug/Kg | ☼ | 80 | 66 - 105 | 8 | 30 |
| Phenol | 380 | U | 3840 | 2850 | | ug/Kg | ☼ | 74 | 55 - 99 | 5 | 30 |
| Pyrene | 340 | J | 3840 | 3780 | | ug/Kg | ☼ | 90 | 55 - 126 | 3 | 30 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol (Surr) | 76 | | 10 - 95 |
| 2-Fluorobiphenyl | 83 | | 27 - 84 |
| 2-Fluorophenol (Surr) | 72 | | 21 - 84 |
| Nitrobenzene-d5 (Surr) | 79 | | 28 - 92 |
| Phenol-d5 (Surr) | 74 | | 22 - 88 |
| Terphenyl-d14 (Surr) | 90 | | 16 - 114 |

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-361911/1-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|-----------------|-----|-----|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl | 330 | U | 330 | 28 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 1,2,4,5-Tetrachlorobenzene | 330 | U | 330 | 25 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2,2'-oxybis[1-chloropropane] | 330 | U | 330 | 14 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2,3,4,6-Tetrachlorophenol | 330 | U | 330 | 31 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2,4,5-Trichlorophenol | 330 | U | 330 | 33 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2,4,6-Trichlorophenol | 130 | U | 130 | 9.4 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2,4-Dichlorophenol | 130 | U | 130 | 7.8 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2,4-Dimethylphenol | 330 | U | 330 | 73 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2,4-Dinitrophenol | 270 | U | 270 | 250 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2,4-Dinitrotoluene | 67 | U | 67 | 13 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2,6-Dinitrotoluene | 67 | U | 67 | 18 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2-Chloronaphthalene | 330 | U | 330 | 7.5 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2-Chlorophenol | 330 | U | 330 | 8.4 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2-Methylnaphthalene | 330 | U | 330 | 7.3 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2-Methylphenol | 330 | U | 330 | 14 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2-Nitroaniline | 330 | U | 330 | 11 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2-Nitrophenol | 330 | U | 330 | 11 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 3,3'-Dichlorobenzidine | 130 | U | 130 | 37 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 3-Nitroaniline | 330 | U | 330 | 9.8 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 4,6-Dinitro-2-methylphenol | 270 | U | 270 | 88 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 4-Bromophenyl phenyl ether | 330 | U | 330 | 10 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 4-Chloro-3-methylphenol | 330 | U | 330 | 14 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 4-Chloroaniline | 330 | U | 330 | 8.5 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 4-Chlorophenyl phenyl ether | 330 | U | 330 | 9.9 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 4-Methylphenol | 330 | U | 330 | 9.0 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 4-Nitroaniline | 330 | U | 330 | 13 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 4-Nitrophenol | 670 | U | 670 | 160 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Acenaphthene | 330 | U | 330 | 8.0 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Acenaphthylene | 330 | U | 330 | 8.5 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Acetophenone | 330 | U | 330 | 7.2 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Anthracene | 330 | U | 330 | 31 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Atrazine | 130 | U | 130 | 15 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Benzaldehyde | 330 | U | 330 | 25 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Benzo[a]anthracene | 33 | U | 33 | 28 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Benzo[a]pyrene | 33 | U | 33 | 10 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Benzo[b]fluoranthene | 33 | U | 33 | 13 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Benzo[g,h,i]perylene | 330 | U | 330 | 19 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Benzo[k]fluoranthene | 33 | U | 33 | 14 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Bis(2-chloroethoxy)methane | 330 | U | 330 | 10 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Bis(2-chloroethyl)ether | 33 | U | 33 | 7.8 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Bis(2-ethylhexyl) phthalate | 330 | U | 330 | 13 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Butyl benzyl phthalate | 330 | U | 330 | 10 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Caprolactam | 330 | U | 330 | 24 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Carbazole | 330 | U | 330 | 8.2 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Chrysene | 330 | U | 330 | 9.0 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Dibenz(a,h)anthracene | 33 | U | 33 | 17 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Dibenzofuran | 330 | U | 330 | 10 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Diethyl phthalate | 330 | U | 330 | 9.4 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-361911/1-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Dimethyl phthalate | 330 | U | 330 | 9.6 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Di-n-butyl phthalate | 330 | U | 330 | 9.9 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Di-n-octyl phthalate | 330 | U | 330 | 17 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Fluoranthene | 330 | U | 330 | 9.8 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Fluorene | 330 | U | 330 | 7.2 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Hexachlorobenzene | 33 | U | 33 | 13 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Hexachlorobutadiene | 67 | U | 67 | 9.3 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Hexachlorocyclopentadiene | 330 | U | 330 | 21 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Hexachloroethane | 33 | U | 33 | 12 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Indeno[1,2,3-cd]pyrene | 33 | U | 33 | 22 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Isophorone | 130 | U | 130 | 7.1 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Naphthalene | 330 | U | 330 | 8.4 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Nitrobenzene | 33 | U | 33 | 10 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| N-Nitrosodi-n-propylamine | 33 | U | 33 | 11 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| N-Nitrosodiphenylamine | 330 | U | 330 | 30 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Pentachlorophenol | 270 | U | 270 | 40 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Phenanthrene | 330 | U | 330 | 8.8 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Phenol | 330 | U | 330 | 11 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Pyrene | 330 | U | 330 | 15 | ug/Kg | | 04/11/16 13:02 | 04/13/16 08:17 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 49 | | 10 - 95 | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2-Fluorobiphenyl | 73 | | 27 - 84 | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| 2-Fluorophenol (Surr) | 68 | | 21 - 84 | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Nitrobenzene-d5 (Surr) | 71 | | 28 - 92 | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Phenol-d5 (Surr) | 67 | | 22 - 88 | 04/11/16 13:02 | 04/13/16 08:17 | 1 |
| Terphenyl-d14 (Surr) | 88 | | 16 - 114 | 04/11/16 13:02 | 04/13/16 08:17 | 1 |

Lab Sample ID: LCS 460-361911/2-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| 1,1'-Biphenyl | 3330 | 2720 | | ug/Kg | | 82 | 64 - 103 |
| 1,2,4,5-Tetrachlorobenzene | 3330 | 2820 | | ug/Kg | | 85 | 62 - 109 |
| 2,2'-oxybis[1-chloropropane] | 3330 | 2390 | | ug/Kg | | 72 | 42 - 119 |
| 2,3,4,6-Tetrachlorophenol | 3330 | 2390 | | ug/Kg | | 72 | 57 - 113 |
| 2,4,5-Trichlorophenol | 3330 | 2390 | | ug/Kg | | 72 | 59 - 105 |
| 2,4,6-Trichlorophenol | 3330 | 2570 | | ug/Kg | | 77 | 61 - 107 |
| 2,4-Dichlorophenol | 3330 | 2440 | | ug/Kg | | 73 | 59 - 99 |
| 2,4-Dimethylphenol | 3330 | 2410 | | ug/Kg | | 72 | 60 - 98 |
| 2,4-Dinitrophenol | 6670 | 4360 | | ug/Kg | | 65 | 26 - 137 |
| 2,4-Dinitrotoluene | 3330 | 2580 | | ug/Kg | | 78 | 61 - 118 |
| 2,6-Dinitrotoluene | 3330 | 2630 | | ug/Kg | | 79 | 63 - 112 |
| 2-Chloronaphthalene | 3330 | 2770 | | ug/Kg | | 83 | 63 - 102 |
| 2-Chlorophenol | 3330 | 2420 | | ug/Kg | | 72 | 58 - 95 |
| 2-Methylnaphthalene | 3330 | 2410 | | ug/Kg | | 72 | 64 - 102 |
| 2-Methylphenol | 3330 | 2320 | | ug/Kg | | 70 | 56 - 99 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-361911/2-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| 2-Nitroaniline | 3330 | 2650 | | ug/Kg | | 79 | 46 - 113 |
| 2-Nitrophenol | 3330 | 2590 | | ug/Kg | | 78 | 63 - 103 |
| 3,3'-Dichlorobenzidine | 3330 | 1530 | | ug/Kg | | 46 | 18 - 92 |
| 3-Nitroaniline | 3330 | 1750 | | ug/Kg | | 52 | 23 - 89 |
| 4,6-Dinitro-2-methylphenol | 6670 | 5330 | | ug/Kg | | 80 | 51 - 124 |
| 4-Bromophenyl phenyl ether | 3330 | 3000 | | ug/Kg | | 90 | 65 - 114 |
| 4-Chloro-3-methylphenol | 3330 | 2410 | | ug/Kg | | 72 | 58 - 108 |
| 4-Chloroaniline | 3330 | 1400 | | ug/Kg | | 42 | 10 - 82 |
| 4-Chlorophenyl phenyl ether | 3330 | 2560 | | ug/Kg | | 77 | 63 - 107 |
| 4-Methylphenol | 3330 | 2320 | | ug/Kg | | 70 | 53 - 103 |
| 4-Nitroaniline | 3330 | 2240 | | ug/Kg | | 67 | 44 - 109 |
| 4-Nitrophenol | 6670 | 4560 | | ug/Kg | | 68 | 45 - 125 |
| Acenaphthene | 3330 | 2460 | | ug/Kg | | 74 | 59 - 102 |
| Acenaphthylene | 3330 | 2720 | | ug/Kg | | 82 | 63 - 102 |
| Acetophenone | 3330 | 2300 | | ug/Kg | | 69 | 56 - 107 |
| Anthracene | 3330 | 2880 | | ug/Kg | | 86 | 66 - 105 |
| Benzo[a]anthracene | 3330 | 2760 | | ug/Kg | | 83 | 65 - 106 |
| Benzo[a]pyrene | 3330 | 2990 | | ug/Kg | | 90 | 68 - 111 |
| Benzo[b]fluoranthene | 3330 | 2940 | | ug/Kg | | 88 | 67 - 116 |
| Benzo[g,h,i]perylene | 3330 | 2920 | | ug/Kg | | 88 | 49 - 124 |
| Benzo[k]fluoranthene | 3330 | 3010 | | ug/Kg | | 90 | 65 - 114 |
| Bis(2-chloroethoxy)methane | 3330 | 2510 | | ug/Kg | | 75 | 61 - 102 |
| Bis(2-chloroethyl)ether | 3330 | 2450 | | ug/Kg | | 73 | 58 - 102 |
| Bis(2-ethylhexyl) phthalate | 3330 | 2840 | | ug/Kg | | 85 | 60 - 125 |
| Butyl benzyl phthalate | 3330 | 2880 | | ug/Kg | | 86 | 62 - 123 |
| Carbazole | 3330 | 2700 | | ug/Kg | | 81 | 62 - 107 |
| Chrysene | 3330 | 2920 | | ug/Kg | | 88 | 64 - 105 |
| Dibenz(a,h)anthracene | 3330 | 3080 | | ug/Kg | | 92 | 54 - 126 |
| Dibenzofuran | 3330 | 2630 | | ug/Kg | | 79 | 62 - 102 |
| Diethyl phthalate | 3330 | 2510 | | ug/Kg | | 75 | 61 - 110 |
| Dimethyl phthalate | 3330 | 2590 | | ug/Kg | | 78 | 64 - 108 |
| Di-n-butyl phthalate | 3330 | 2680 | | ug/Kg | | 80 | 62 - 114 |
| Di-n-octyl phthalate | 3330 | 2970 | | ug/Kg | | 89 | 52 - 137 |
| Fluoranthene | 3330 | 2610 | | ug/Kg | | 78 | 59 - 109 |
| Fluorene | 3330 | 2540 | | ug/Kg | | 76 | 65 - 108 |
| Hexachlorobenzene | 3330 | 2880 | | ug/Kg | | 86 | 65 - 117 |
| Hexachlorobutadiene | 3330 | 2580 | | ug/Kg | | 77 | 60 - 105 |
| Hexachlorocyclopentadiene | 3330 | 3490 | | ug/Kg | | 105 | 37 - 119 |
| Hexachloroethane | 3330 | 2420 | | ug/Kg | | 72 | 60 - 94 |
| Indeno[1,2,3-cd]pyrene | 3330 | 3610 | | ug/Kg | | 108 | 50 - 134 |
| Isophorone | 3330 | 2610 | | ug/Kg | | 78 | 60 - 102 |
| Naphthalene | 3330 | 2560 | | ug/Kg | | 77 | 64 - 99 |
| Nitrobenzene | 3330 | 2690 | | ug/Kg | | 81 | 59 - 102 |
| N-Nitrosodi-n-propylamine | 3330 | 2410 | | ug/Kg | | 72 | 56 - 112 |
| N-Nitrosodiphenylamine | 3330 | 2960 | | ug/Kg | | 89 | 71 - 119 |
| Pentachlorophenol | 6670 | 4860 | | ug/Kg | | 73 | 47 - 115 |
| Phenanthrene | 3330 | 2770 | | ug/Kg | | 83 | 66 - 105 |
| Phenol | 3330 | 2360 | | ug/Kg | | 71 | 55 - 99 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-361911/2-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|-------|---|------|--------------|
| Pyrene | 3330 | 3040 | | ug/Kg | | 91 | 55 - 126 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol (Surr) | 68 | | 10 - 95 |
| 2-Fluorobiphenyl | 80 | | 27 - 84 |
| 2-Fluorophenol (Surr) | 70 | | 21 - 84 |
| Nitrobenzene-d5 (Surr) | 76 | | 28 - 92 |
| Phenol-d5 (Surr) | 69 | | 22 - 88 |
| Terphenyl-d14 (Surr) | 90 | | 16 - 114 |

Lab Sample ID: LCS 460-361911/3-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|-------|---|------|--------------|
| Atrazine | 6670 | 5820 | | ug/Kg | | 87 | 41 - 116 |
| Benzaldehyde | 6670 | 5040 | | ug/Kg | | 76 | 55 - 116 |
| Caprolactam | 6670 | 5840 | | ug/Kg | | 88 | 44 - 129 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol (Surr) | 48 | | 10 - 95 |
| 2-Fluorobiphenyl | 81 | | 27 - 84 |
| 2-Fluorophenol (Surr) | 71 | | 21 - 84 |
| Nitrobenzene-d5 (Surr) | 78 | | 28 - 92 |
| Phenol-d5 (Surr) | 72 | | 22 - 88 |
| Terphenyl-d14 (Surr) | 94 | | 16 - 114 |

Lab Sample ID: 460-111850-3 MS

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: B4

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| 1,1'-Biphenyl | 350 | U | 3550 | 2480 | | ug/Kg | ☼ | 70 | 64 - 103 |
| 1,2,4,5-Tetrachlorobenzene | 350 | U | 3550 | 2580 | | ug/Kg | ☼ | 73 | 62 - 109 |
| 2,2'-oxybis[1-chloropropane] | 350 | U | 3550 | 2190 | | ug/Kg | ☼ | 62 | 42 - 119 |
| 2,3,4,6-Tetrachlorophenol | 350 | U | 3550 | 1290 | * | ug/Kg | ☼ | 36 | 57 - 113 |
| 2,4,5-Trichlorophenol | 350 | U | 3550 | 1770 | * | ug/Kg | ☼ | 50 | 59 - 105 |
| 2,4,6-Trichlorophenol | 140 | U | 3550 | 1960 | * | ug/Kg | ☼ | 55 | 61 - 107 |
| 2,4-Dichlorophenol | 140 | U | 3550 | 1970 | * | ug/Kg | ☼ | 56 | 59 - 99 |
| 2,4-Dimethylphenol | 350 | U | 3550 | 2080 | * | ug/Kg | ☼ | 59 | 60 - 98 |
| 2,4-Dinitrophenol | 280 | U | 7100 | 328 | * | ug/Kg | ☼ | 5 | 26 - 137 |
| 2,4-Dinitrotoluene | 71 | U | 3550 | 2390 | | ug/Kg | ☼ | 67 | 61 - 118 |
| 2,6-Dinitrotoluene | 71 | U | 3550 | 2440 | | ug/Kg | ☼ | 69 | 63 - 112 |
| 2-Chloronaphthalene | 350 | U | 3550 | 2520 | | ug/Kg | ☼ | 71 | 63 - 102 |
| 2-Chlorophenol | 350 | U | 3550 | 2120 | | ug/Kg | ☼ | 60 | 58 - 95 |
| 2-Methylnaphthalene | 8.1 | J | 3550 | 2190 | * | ug/Kg | ☼ | 61 | 64 - 102 |
| 2-Methylphenol | 350 | U | 3550 | 2080 | | ug/Kg | ☼ | 59 | 56 - 99 |
| 2-Nitroaniline | 350 | U | 3550 | 2400 | | ug/Kg | ☼ | 68 | 46 - 113 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-111850-3 MS

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: B4

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|----------|
| 2-Nitrophenol | 350 | U | 3550 | 1780 | * | ug/Kg | ☀ | 50 | 63 - 103 |
| 3,3'-Dichlorobenzidine | 140 | U | 3550 | 2050 | | ug/Kg | ☀ | 58 | 18 - 92 |
| 3-Nitroaniline | 350 | U | 3550 | 2030 | | ug/Kg | ☀ | 57 | 23 - 89 |
| 4,6-Dinitro-2-methylphenol | 280 | U | 7100 | 886 | * | ug/Kg | ☀ | 12 | 51 - 124 |
| 4-Bromophenyl phenyl ether | 350 | U | 3550 | 2650 | | ug/Kg | ☀ | 75 | 65 - 114 |
| 4-Chloro-3-methylphenol | 350 | U | 3550 | 2060 | | ug/Kg | ☀ | 58 | 58 - 108 |
| 4-Chloroaniline | 350 | U | 3550 | 1360 | | ug/Kg | ☀ | 38 | 10 - 82 |
| 4-Chlorophenyl phenyl ether | 350 | U | 3550 | 2310 | | ug/Kg | ☀ | 65 | 63 - 107 |
| 4-Methylphenol | 350 | U | 3550 | 2080 | | ug/Kg | ☀ | 59 | 53 - 103 |
| 4-Nitroaniline | 350 | U | 3550 | 2120 | | ug/Kg | ☀ | 60 | 44 - 109 |
| 4-Nitrophenol | 710 | U | 7100 | 3380 | | ug/Kg | ☀ | 48 | 45 - 125 |
| Acenaphthene | 350 | U | 3550 | 2130 | | ug/Kg | ☀ | 60 | 59 - 102 |
| Acenaphthylene | 350 | U | 3550 | 2470 | | ug/Kg | ☀ | 70 | 63 - 102 |
| Acetophenone | 350 | U | 3550 | 2120 | | ug/Kg | ☀ | 60 | 56 - 107 |
| Anthracene | 350 | U | 3550 | 2540 | | ug/Kg | ☀ | 72 | 66 - 105 |
| Atrazine | 140 | U | 7100 | 5190 | | ug/Kg | ☀ | 73 | 41 - 116 |
| Benzaldehyde | 350 | U | 7100 | 4320 | | ug/Kg | ☀ | 61 | 55 - 116 |
| Benzo[a]anthracene | 100 | | 3550 | 2510 | | ug/Kg | ☀ | 68 | 65 - 106 |
| Benzo[a]pyrene | 100 | | 3550 | 2730 | | ug/Kg | ☀ | 74 | 68 - 111 |
| Benzo[b]fluoranthene | 130 | | 3550 | 2670 | | ug/Kg | ☀ | 72 | 67 - 116 |
| Benzo[g,h,i]perylene | 66 | J | 3550 | 2690 | | ug/Kg | ☀ | 74 | 49 - 124 |
| Benzo[k]fluoranthene | 63 | | 3550 | 2690 | | ug/Kg | ☀ | 74 | 65 - 114 |
| Bis(2-chloroethoxy)methane | 350 | U | 3550 | 2330 | | ug/Kg | ☀ | 66 | 61 - 102 |
| Bis(2-chloroethyl)ether | 35 | U | 3550 | 2230 | | ug/Kg | ☀ | 63 | 58 - 102 |
| Bis(2-ethylhexyl) phthalate | 350 | U | 3550 | 2550 | | ug/Kg | ☀ | 72 | 60 - 125 |
| Butyl benzyl phthalate | 350 | U | 3550 | 2660 | | ug/Kg | ☀ | 75 | 62 - 123 |
| Caprolactam | 350 | U | 7100 | 3610 | | ug/Kg | ☀ | 51 | 44 - 129 |
| Carbazole | 350 | U | 3550 | 2420 | | ug/Kg | ☀ | 68 | 62 - 107 |
| Chrysene | 110 | J | 3550 | 2660 | | ug/Kg | ☀ | 72 | 64 - 105 |
| Dibenz(a,h)anthracene | 35 | U | 3550 | 2850 | | ug/Kg | ☀ | 80 | 54 - 126 |
| Dibenzofuran | 350 | U | 3550 | 2390 | | ug/Kg | ☀ | 67 | 62 - 102 |
| Diethyl phthalate | 350 | U | 3550 | 2320 | | ug/Kg | ☀ | 65 | 61 - 110 |
| Dimethyl phthalate | 350 | U | 3550 | 2390 | | ug/Kg | ☀ | 67 | 64 - 108 |
| Di-n-butyl phthalate | 350 | U | 3550 | 2460 | | ug/Kg | ☀ | 69 | 62 - 114 |
| Di-n-octyl phthalate | 350 | U | 3550 | 2650 | | ug/Kg | ☀ | 75 | 52 - 137 |
| Fluoranthene | 160 | J | 3550 | 2430 | | ug/Kg | ☀ | 64 | 59 - 109 |
| Fluorene | 350 | U | 3550 | 2320 | | ug/Kg | ☀ | 65 | 65 - 108 |
| Hexachlorobenzene | 35 | U | 3550 | 2580 | | ug/Kg | ☀ | 73 | 65 - 117 |
| Hexachlorobutadiene | 71 | U | 3550 | 2400 | | ug/Kg | ☀ | 68 | 60 - 105 |
| Hexachlorocyclopentadiene | 350 | U | 3550 | 2940 | | ug/Kg | ☀ | 83 | 37 - 119 |
| Hexachloroethane | 35 | U | 3550 | 2260 | | ug/Kg | ☀ | 64 | 60 - 94 |
| Indeno[1,2,3-cd]pyrene | 82 | | 3550 | 3330 | | ug/Kg | ☀ | 91 | 50 - 134 |
| Isophorone | 140 | U | 3550 | 2430 | | ug/Kg | ☀ | 68 | 60 - 102 |
| Naphthalene | 16 | J | 3550 | 2360 | | ug/Kg | ☀ | 66 | 64 - 99 |
| Nitrobenzene | 35 | U | 3550 | 2380 | | ug/Kg | ☀ | 67 | 59 - 102 |
| N-Nitrosodi-n-propylamine | 35 | U | 3550 | 2270 | | ug/Kg | ☀ | 64 | 56 - 112 |
| N-Nitrosodiphenylamine | 350 | U | 3550 | 2590 | | ug/Kg | ☀ | 73 | 71 - 119 |
| Pentachlorophenol | 280 | U | 7100 | 640 | * | ug/Kg | ☀ | 9 | 47 - 115 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-111850-3 MS

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: B4

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Phenanthrene | 60 | J | 3550 | 2480 | | ug/Kg | ☼ | 68 | 66 - 105 |
| Phenol | 350 | U | 3550 | 2100 | | ug/Kg | ☼ | 59 | 55 - 99 |
| Pyrene | 180 | J | 3550 | 2830 | | ug/Kg | ☼ | 75 | 55 - 126 |
| Surrogate | MS %Recovery | MS Qualifier | Limits | | | | | | |
| 2,4,6-Tribromophenol (Surr) | 50 | | 10 - 95 | | | | | | |
| 2-Fluorobiphenyl | 68 | | 27 - 84 | | | | | | |
| 2-Fluorophenol (Surr) | 58 | | 21 - 84 | | | | | | |
| Nitrobenzene-d5 (Surr) | 65 | | 28 - 92 | | | | | | |
| Phenol-d5 (Surr) | 58 | | 22 - 88 | | | | | | |
| Terphenyl-d14 (Surr) | 76 | | 16 - 114 | | | | | | |

Lab Sample ID: 460-111850-3 MSD

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: B4

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| 1,1'-Biphenyl | 350 | U | 3550 | 2650 | | ug/Kg | ☼ | 75 | 64 - 103 | 7 | 30 |
| 1,2,4,5-Tetrachlorobenzene | 350 | U | 3550 | 2740 | | ug/Kg | ☼ | 77 | 62 - 109 | 6 | 30 |
| 2,2'-oxybis[1-chloropropane] | 350 | U | 3550 | 2280 | | ug/Kg | ☼ | 64 | 42 - 119 | 4 | 30 |
| 2,3,4,6-Tetrachlorophenol | 350 | U | 3550 | 1480 | * | ug/Kg | ☼ | 42 | 57 - 113 | 13 | 30 |
| 2,4,5-Trichlorophenol | 350 | U | 3550 | 1900 | * | ug/Kg | ☼ | 53 | 59 - 105 | 7 | 30 |
| 2,4,6-Trichlorophenol | 140 | U | 3550 | 2070 | * | ug/Kg | ☼ | 58 | 61 - 107 | 6 | 30 |
| 2,4-Dichlorophenol | 140 | U | 3550 | 2070 | * | ug/Kg | ☼ | 58 | 59 - 99 | 5 | 30 |
| 2,4-Dimethylphenol | 350 | U | 3550 | 2200 | | ug/Kg | ☼ | 62 | 60 - 98 | 6 | 30 |
| 2,4-Dinitrophenol | 280 | U | 7100 | 406 | * | ug/Kg | ☼ | 6 | 26 - 137 | 21 | 30 |
| 2,4-Dinitrotoluene | 71 | U | 3550 | 2560 | | ug/Kg | ☼ | 72 | 61 - 118 | 7 | 30 |
| 2,6-Dinitrotoluene | 71 | U | 3550 | 2550 | | ug/Kg | ☼ | 72 | 63 - 112 | 5 | 30 |
| 2-Chloronaphthalene | 350 | U | 3550 | 2660 | | ug/Kg | ☼ | 75 | 63 - 102 | 5 | 30 |
| 2-Chlorophenol | 350 | U | 3550 | 2190 | | ug/Kg | ☼ | 62 | 58 - 95 | 3 | 30 |
| 2-Methylnaphthalene | 8.1 | J | 3550 | 2290 | | ug/Kg | ☼ | 64 | 64 - 102 | 4 | 30 |
| 2-Methylphenol | 350 | U | 3550 | 2160 | | ug/Kg | ☼ | 61 | 56 - 99 | 4 | 30 |
| 2-Nitroaniline | 350 | U | 3550 | 2540 | | ug/Kg | ☼ | 72 | 46 - 113 | 6 | 30 |
| 2-Nitrophenol | 350 | U | 3550 | 1870 | * | ug/Kg | ☼ | 53 | 63 - 103 | 5 | 30 |
| 3,3'-Dichlorobenzidine | 140 | U | 3550 | 2080 | | ug/Kg | ☼ | 59 | 18 - 92 | 2 | 30 |
| 3-Nitroaniline | 350 | U | 3550 | 2030 | | ug/Kg | ☼ | 57 | 23 - 89 | 0 | 30 |
| 4,6-Dinitro-2-methylphenol | 280 | U | 7100 | 1450 | * | ug/Kg | ☼ | 20 | 51 - 124 | 48 | 30 |
| 4-Bromophenyl phenyl ether | 350 | U | 3550 | 2810 | | ug/Kg | ☼ | 79 | 65 - 114 | 6 | 30 |
| 4-Chloro-3-methylphenol | 350 | U | 3550 | 2120 | | ug/Kg | ☼ | 60 | 58 - 108 | 3 | 30 |
| 4-Chloroaniline | 350 | U | 3550 | 1200 | | ug/Kg | ☼ | 34 | 10 - 82 | 13 | 30 |
| 4-Chlorophenyl phenyl ether | 350 | U | 3550 | 2450 | | ug/Kg | ☼ | 69 | 63 - 107 | 6 | 30 |
| 4-Methylphenol | 350 | U | 3550 | 2150 | | ug/Kg | ☼ | 61 | 53 - 103 | 3 | 30 |
| 4-Nitroaniline | 350 | U | 3550 | 2200 | | ug/Kg | ☼ | 62 | 44 - 109 | 4 | 30 |
| 4-Nitrophenol | 710 | U | 7100 | 3580 | | ug/Kg | ☼ | 50 | 45 - 125 | 6 | 30 |
| Acenaphthene | 350 | U | 3550 | 2240 | | ug/Kg | ☼ | 63 | 59 - 102 | 5 | 30 |
| Acenaphthylene | 350 | U | 3550 | 2640 | | ug/Kg | ☼ | 75 | 63 - 102 | 7 | 30 |
| Acetophenone | 350 | U | 3550 | 2200 | | ug/Kg | ☼ | 62 | 56 - 107 | 4 | 30 |
| Anthracene | 350 | U | 3550 | 2720 | | ug/Kg | ☼ | 77 | 66 - 105 | 7 | 30 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-111850-3 MSD

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: B4

Prep Type: Total/NA

Prep Batch: 361911

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Atrazine | 140 | U | 7100 | 5490 | | ug/Kg | ☀ | 77 | 41 - 116 | 6 | 30 |
| Benzaldehyde | 350 | U | 7100 | 4300 | | ug/Kg | ☀ | 61 | 55 - 116 | 1 | 30 |
| Benzo[a]anthracene | 100 | | 3550 | 2660 | | ug/Kg | ☀ | 72 | 65 - 106 | 6 | 30 |
| Benzo[a]pyrene | 100 | | 3550 | 2850 | | ug/Kg | ☀ | 78 | 68 - 111 | 4 | 30 |
| Benzo[b]fluoranthene | 130 | | 3550 | 2790 | | ug/Kg | ☀ | 75 | 67 - 116 | 4 | 30 |
| Benzo[g,h,i]perylene | 66 | J | 3550 | 2780 | | ug/Kg | ☀ | 77 | 49 - 124 | 3 | 30 |
| Benzo[k]fluoranthene | 63 | | 3550 | 2840 | | ug/Kg | ☀ | 78 | 65 - 114 | 5 | 30 |
| Bis(2-chloroethoxy)methane | 350 | U | 3550 | 2410 | | ug/Kg | ☀ | 68 | 61 - 102 | 3 | 30 |
| Bis(2-chloroethyl)ether | 35 | U | 3550 | 2330 | | ug/Kg | ☀ | 66 | 58 - 102 | 5 | 30 |
| Bis(2-ethylhexyl) phthalate | 350 | U | 3550 | 2690 | | ug/Kg | ☀ | 76 | 60 - 125 | 5 | 30 |
| Butyl benzyl phthalate | 350 | U | 3550 | 2740 | | ug/Kg | ☀ | 77 | 62 - 123 | 3 | 30 |
| Caprolactam | 350 | U | 7100 | 3250 | | ug/Kg | ☀ | 46 | 44 - 129 | 10 | 30 |
| Carbazole | 350 | U | 3550 | 2590 | | ug/Kg | ☀ | 73 | 62 - 107 | 7 | 30 |
| Chrysene | 110 | J | 3550 | 2810 | | ug/Kg | ☀ | 76 | 64 - 105 | 5 | 30 |
| Dibenz(a,h)anthracene | 35 | U | 3550 | 2970 | | ug/Kg | ☀ | 84 | 54 - 126 | 4 | 30 |
| Dibenzofuran | 350 | U | 3550 | 2500 | | ug/Kg | ☀ | 70 | 62 - 102 | 5 | 30 |
| Diethyl phthalate | 350 | U | 3550 | 2460 | | ug/Kg | ☀ | 69 | 61 - 110 | 6 | 30 |
| Dimethyl phthalate | 350 | U | 3550 | 2530 | | ug/Kg | ☀ | 71 | 64 - 108 | 6 | 30 |
| Di-n-butyl phthalate | 350 | U | 3550 | 2590 | | ug/Kg | ☀ | 73 | 62 - 114 | 5 | 30 |
| Di-n-octyl phthalate | 350 | U | 3550 | 2750 | | ug/Kg | ☀ | 77 | 52 - 137 | 4 | 30 |
| Fluoranthene | 160 | J | 3550 | 2610 | | ug/Kg | ☀ | 69 | 59 - 109 | 7 | 30 |
| Fluorene | 350 | U | 3550 | 2440 | | ug/Kg | ☀ | 69 | 65 - 108 | 5 | 30 |
| Hexachlorobenzene | 35 | U | 3550 | 2720 | | ug/Kg | ☀ | 77 | 65 - 117 | 5 | 30 |
| Hexachlorobutadiene | 71 | U | 3550 | 2490 | | ug/Kg | ☀ | 70 | 60 - 105 | 3 | 30 |
| Hexachlorocyclopentadiene | 350 | U | 3550 | 3130 | | ug/Kg | ☀ | 88 | 37 - 119 | 6 | 30 |
| Hexachloroethane | 35 | U | 3550 | 2350 | | ug/Kg | ☀ | 66 | 60 - 94 | 4 | 30 |
| Indeno[1,2,3-cd]pyrene | 82 | | 3550 | 3490 | | ug/Kg | ☀ | 96 | 50 - 134 | 5 | 30 |
| Isophorone | 140 | U | 3550 | 2500 | | ug/Kg | ☀ | 71 | 60 - 102 | 3 | 30 |
| Naphthalene | 16 | J | 3550 | 2450 | | ug/Kg | ☀ | 69 | 64 - 99 | 4 | 30 |
| Nitrobenzene | 35 | U | 3550 | 2480 | | ug/Kg | ☀ | 70 | 59 - 102 | 4 | 30 |
| N-Nitrosodi-n-propylamine | 35 | U | 3550 | 2350 | | ug/Kg | ☀ | 66 | 56 - 112 | 3 | 30 |
| N-Nitrosodiphenylamine | 350 | U | 3550 | 2740 | | ug/Kg | ☀ | 77 | 71 - 119 | 6 | 30 |
| Pentachlorophenol | 280 | U | 7100 | 1510 | * | ug/Kg | ☀ | 21 | 47 - 115 | 81 | 30 |
| Phenanthrene | 60 | J | 3550 | 2660 | | ug/Kg | ☀ | 73 | 66 - 105 | 7 | 30 |
| Phenol | 350 | U | 3550 | 2190 | | ug/Kg | ☀ | 62 | 55 - 99 | 4 | 30 |
| Pyrene | 180 | J | 3550 | 2850 | | ug/Kg | ☀ | 75 | 55 - 126 | 1 | 30 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol (Surr) | 51 | | 10 - 95 |
| 2-Fluorobiphenyl | 73 | | 27 - 84 |
| 2-Fluorophenol (Surr) | 60 | | 21 - 84 |
| Nitrobenzene-d5 (Surr) | 68 | | 28 - 92 |
| Phenol-d5 (Surr) | 62 | | 22 - 88 |
| Terphenyl-d14 (Surr) | 76 | | 16 - 114 |

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-361679/1-A ^2

Matrix: Solid

Analysis Batch: 361771

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361679

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Aluminum | 20.0 | U | 20.0 | 10.3 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Antimony | 2.0 | U | 2.0 | 0.79 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Arsenic | 1.5 | U | 1.5 | 0.49 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Barium | 20.0 | U | 20.0 | 0.72 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Beryllium | 0.20 | U | 0.20 | 0.17 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Cadmium | 0.40 | U | 0.40 | 0.21 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Calcium | 500 | U | 500 | 29.6 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Chromium | 1.0 | U | 1.0 | 0.48 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Cobalt | 5.0 | U | 5.0 | 0.58 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Copper | 2.5 | U | 2.5 | 0.65 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Iron | 15.0 | U | 15.0 | 11.3 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Lead | 1.0 | U | 1.0 | 0.39 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Magnesium | 500 | U | 500 | 25.0 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Manganese | 1.5 | U | 1.5 | 0.53 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Nickel | 4.0 | U | 4.0 | 0.73 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Potassium | 500 | U | 500 | 15.2 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Selenium | 2.0 | U | 2.0 | 0.69 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Silver | 1.0 | U | 1.0 | 0.18 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Sodium | 500 | U | 500 | 33.9 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Thallium | 2.0 | U | 2.0 | 0.89 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Vanadium | 5.0 | U | 5.0 | 0.50 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |
| Zinc | 3.0 | U | 3.0 | 0.73 | mg/Kg | | 04/09/16 20:17 | 04/10/16 18:05 | 2 |

Lab Sample ID: LCSSRM 460-361679/2-A ^4

Matrix: Solid

Analysis Batch: 361771

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361679

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|---------------|------------------|-------|---|-------|--------------|
| Aluminum | 8080 | 7040 | | mg/Kg | | 87.1 | 51.1 - 148.5 |
| Antimony | 123 | 61.74 | | mg/Kg | | 50.2 | 1.0 - 200.0 |
| Arsenic | 145 | 137.7 | | mg/Kg | | 95.0 | 79.3 - 121.4 |
| Barium | 209 | 204.0 | | mg/Kg | | 97.6 | 83.3 - 117.2 |
| Beryllium | 97.3 | 95.22 | | mg/Kg | | 97.9 | 82.6 - 117.2 |
| Cadmium | 87.6 | 86.96 | | mg/Kg | | 99.3 | 82.6 - 117.6 |
| Calcium | 5690 | 5428 | | mg/Kg | | 95.4 | 81.0 - 118.8 |
| Chromium | 143 | 143.7 | | mg/Kg | | 100.5 | 79.7 - 119.6 |
| Cobalt | 154 | 155.3 | | mg/Kg | | 100.8 | 83.8 - 115.6 |
| Copper | 173 | 167.2 | | mg/Kg | | 96.6 | 81.5 - 117.9 |
| Iron | 15000 | 14010 | | mg/Kg | | 93.4 | 46.8 - 154.0 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 460-361679/2-A ^4

Matrix: Solid

Analysis Batch: 361771

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361679

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|---------------|------------------|-------|---|-------|--------------|
| Lead | 146 | 146.4 | | mg/Kg | | 100.3 | 81.5 - 118.5 |
| Magnesium | 2640 | 2452 | | mg/Kg | | 92.9 | 76.5 - 123.5 |
| Manganese | 309 | 304.8 | | mg/Kg | | 98.6 | 81.6 - 118.8 |
| Nickel | 129 | 134.5 | | mg/Kg | | 104.2 | 82.9 - 117.1 |
| Potassium | 2400 | 2124 | | mg/Kg | | 88.5 | 71.7 - 128.3 |
| Selenium | 178 | 167.6 | | mg/Kg | | 94.2 | 78.7 - 121.3 |
| Silver | 31.3 | 28.76 | | mg/Kg | | 91.9 | 75.1 - 124.9 |
| Sodium | 869 | 801.6 | J | mg/Kg | | 92.2 | 72.7 - 126.6 |
| Thallium | 141 | 145.9 | | mg/Kg | | 103.5 | 79.4 - 121.3 |
| Vanadium | 115 | 109.3 | | mg/Kg | | 95.1 | 77.6 - 122.6 |
| Zinc | 194 | 192.5 | | mg/Kg | | 99.2 | 82.0 - 118.0 |

Lab Sample ID: 460-111850-1 MS

Matrix: Solid

Analysis Batch: 361771

Client Sample ID: A4

Prep Type: Total/NA

Prep Batch: 361679

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Aluminum | 11200 | | 179 | 11760 | 4 | mg/Kg | ☼ | 324 | 75 - 125 |
| Antimony | 3.5 | U | 44.7 | 19.26 | N | mg/Kg | ☼ | 43 | 75 - 125 |
| Arsenic | 10.5 | | 179 | 175.8 | | mg/Kg | ☼ | 92 | 75 - 125 |
| Barium | 45.7 | | 179 | 217.3 | | mg/Kg | ☼ | 96 | 75 - 125 |
| Beryllium | 0.44 | | 4.47 | 4.81 | | mg/Kg | ☼ | 98 | 75 - 125 |
| Cadmium | 0.70 | U | 4.47 | 4.24 | | mg/Kg | ☼ | 95 | 75 - 125 |
| Calcium | 1310 | | 1790 | 2910 | | mg/Kg | ☼ | 89 | 75 - 125 |
| Chromium | 15.7 | | 17.9 | 33.29 | | mg/Kg | ☼ | 98 | 75 - 125 |
| Cobalt | 4.8 | J | 44.7 | 48.15 | | mg/Kg | ☼ | 97 | 75 - 125 |
| Copper | 14.5 | | 22.4 | 33.43 | | mg/Kg | ☼ | 85 | 75 - 125 |
| Iron | 15200 | | 89.4 | 17040 | 4 | mg/Kg | ☼ | 2044 | 75 - 125 |
| Lead | 57.2 | | 44.7 | 92.64 | | mg/Kg | ☼ | 79 | 75 - 125 |
| Magnesium | 1490 | | 1790 | 3187 | | mg/Kg | ☼ | 95 | 75 - 125 |
| Manganese | 246 | | 44.7 | 264.9 | 4 | mg/Kg | ☼ | 42 | 75 - 125 |
| Nickel | 10.7 | | 44.7 | 55.14 | | mg/Kg | ☼ | 99 | 75 - 125 |
| Potassium | 444 | J | 1790 | 2030 | | mg/Kg | ☼ | 89 | 75 - 125 |
| Selenium | 3.5 | U | 179 | 163.4 | | mg/Kg | ☼ | 91 | 75 - 125 |
| Silver | 1.7 | U | 4.47 | 4.15 | | mg/Kg | ☼ | 93 | 75 - 125 |
| Sodium | 873 | U | 1790 | 1735 | | mg/Kg | ☼ | 97 | 75 - 125 |
| Thallium | 3.5 | U | 179 | 177.1 | | mg/Kg | ☼ | 99 | 75 - 125 |
| Vanadium | 26.3 | | 44.7 | 63.75 | | mg/Kg | ☼ | 84 | 75 - 125 |
| Zinc | 38.0 | | 44.7 | 80.13 | | mg/Kg | ☼ | 94 | 75 - 125 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 460-111850-1 DU

Matrix: Solid

Analysis Batch: 361771

Client Sample ID: A4

Prep Type: Total/NA

Prep Batch: 361679

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|-----------|---------------|------------------|-----------|--------------|-------|---|-----|-------|
| Aluminum | 11200 | | 11820 | | mg/Kg | ☼ | 6 | 20 |
| Antimony | 3.5 | U | 3.4 | U | mg/Kg | ☼ | NC | 20 |
| Arsenic | 10.5 | | 10.25 | | mg/Kg | ☼ | 2 | 20 |
| Barium | 45.7 | | 46.61 | | mg/Kg | ☼ | 2 | 20 |
| Beryllium | 0.44 | | 0.429 | | mg/Kg | ☼ | 2 | 20 |
| Cadmium | 0.70 | U | 0.67 | U | mg/Kg | ☼ | NC | 20 |
| Calcium | 1310 | | 1449 | | mg/Kg | ☼ | 10 | 20 |
| Chromium | 15.7 | | 16.48 | | mg/Kg | ☼ | 5 | 20 |
| Cobalt | 4.8 | J | 4.57 | J | mg/Kg | ☼ | 4 | 20 |
| Copper | 14.5 | | 14.12 | | mg/Kg | ☼ | 2 | 20 |
| Iron | 15200 | | 15120 | | mg/Kg | ☼ | 0.6 | 20 |
| Lead | 57.2 | | 46.09 | * | mg/Kg | ☼ | 21 | 20 |
| Magnesium | 1490 | | 2436 | * | mg/Kg | ☼ | 48 | 20 |
| Manganese | 246 | | 245.1 | | mg/Kg | ☼ | 0.4 | 20 |
| Nickel | 10.7 | | 12.99 | | mg/Kg | ☼ | 19 | 20 |
| Potassium | 444 | J | 437.3 | J | mg/Kg | ☼ | 2 | 20 |
| Selenium | 3.5 | U | 3.4 | U | mg/Kg | ☼ | NC | 20 |
| Silver | 1.7 | U | 1.7 | U | mg/Kg | ☼ | NC | 20 |
| Sodium | 873 | U | 839 | U | mg/Kg | ☼ | NC | 20 |
| Thallium | 3.5 | U | 3.4 | U | mg/Kg | ☼ | NC | 20 |
| Vanadium | 26.3 | | 21.10 | | mg/Kg | ☼ | 22 | 20 |
| Zinc | 38.0 | | 39.08 | | mg/Kg | ☼ | 3 | 20 |

Lab Sample ID: MB 460-361839/1-A ^2

Matrix: Solid

Analysis Batch: 361922

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361839

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Aluminum | 20.0 | U | 20.0 | 10.3 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Antimony | 2.0 | U | 2.0 | 0.79 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Arsenic | 1.5 | U | 1.5 | 0.49 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Barium | 20.0 | U | 20.0 | 0.72 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Beryllium | 0.20 | U | 0.20 | 0.17 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Cadmium | 0.40 | U | 0.40 | 0.21 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Calcium | 500 | U | 500 | 29.6 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Chromium | 1.0 | U | 1.0 | 0.48 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Cobalt | 5.0 | U | 5.0 | 0.58 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Copper | 2.5 | U | 2.5 | 0.65 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Iron | 15.0 | U | 15.0 | 11.3 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Lead | 1.0 | U | 1.0 | 0.39 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Magnesium | 500 | U | 500 | 25.0 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Manganese | 1.5 | U | 1.5 | 0.53 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Nickel | 4.0 | U | 4.0 | 0.73 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Potassium | 500 | U | 500 | 15.2 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Selenium | 2.0 | U | 2.0 | 0.69 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Silver | 1.0 | U | 1.0 | 0.18 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Sodium | 500 | U | 500 | 33.9 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Thallium | 2.0 | U | 2.0 | 0.89 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 460-361839/1-A ^2

Matrix: Solid

Analysis Batch: 361922

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361839

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|-----|------|-------|---|----------------|----------------|---------|
| Vanadium | 5.0 | U | 5.0 | 0.50 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |
| Zinc | 3.0 | U | 3.0 | 0.73 | mg/Kg | | 04/11/16 07:48 | 04/11/16 19:10 | 2 |

Lab Sample ID: LCSSRM 460-361839/2-A ^4

Matrix: Solid

Analysis Batch: 361922

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361839

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | Limits |
|-----------|----------------|------------------|---------------------|-------|---|-------|--------------|
| Aluminum | 8080 | 7319 | | mg/Kg | | 90.6 | 51.1 - 148.5 |
| Antimony | 123 | 79.13 | | mg/Kg | | 64.3 | 1.0 - 200.0 |
| Arsenic | 145 | 138.2 | | mg/Kg | | 95.3 | 79.3 - 121.4 |
| Barium | 209 | 200.2 | | mg/Kg | | 95.8 | 83.3 - 117.2 |
| Beryllium | 97.3 | 98.95 | | mg/Kg | | 101.7 | 82.6 - 117.2 |
| Cadmium | 87.6 | 86.36 | | mg/Kg | | 98.6 | 82.6 - 117.6 |
| Calcium | 5690 | 5503 | | mg/Kg | | 96.7 | 81.0 - 118.8 |
| Chromium | 143 | 146.1 | | mg/Kg | | 102.1 | 79.7 - 119.6 |
| Cobalt | 154 | 158.2 | | mg/Kg | | 102.7 | 83.8 - 115.6 |
| Copper | 173 | 168.0 | | mg/Kg | | 97.1 | 81.5 - 117.9 |
| Iron | 15000 | 14250 | | mg/Kg | | 95.0 | 46.8 - 154.0 |
| Lead | 146 | 147.0 | | mg/Kg | | 100.7 | 81.5 - 118.5 |
| Magnesium | 2640 | 2505 | | mg/Kg | | 94.9 | 76.5 - 123.5 |
| Manganese | 309 | 317.6 | | mg/Kg | | 102.8 | 81.6 - 118.8 |
| Nickel | 129 | 135.9 | | mg/Kg | | 105.3 | 82.9 - 117.1 |
| Potassium | 2400 | 2190 | | mg/Kg | | 91.3 | 71.7 - 128.3 |
| Selenium | 178 | 165.6 | | mg/Kg | | 93.0 | 78.7 - 121.3 |
| Silver | 31.3 | 29.09 | | mg/Kg | | 92.9 | 75.1 - 124.9 |
| Sodium | 869 | 868.5 | J | mg/Kg | | 99.9 | 72.7 - 126.6 |
| Thallium | 141 | 146.1 | | mg/Kg | | 103.6 | 79.4 - 121.3 |
| Vanadium | 115 | 111.6 | | mg/Kg | | 97.0 | 77.6 - 122.6 |
| Zinc | 194 | 190.1 | | mg/Kg | | 98.0 | 82.0 - 118.0 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 460-111850-3 MS

Matrix: Solid

Analysis Batch: 361922

Client Sample ID: B4

Prep Type: Total/NA

Prep Batch: 361839

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|----------|
| Aluminum | 5920 | | 201 | 8208 | 4 | mg/Kg | ☼ | 1135 | 75 - 125 |
| Antimony | 4.1 | U | 50.3 | 32.71 | N | mg/Kg | ☼ | 65 | 75 - 125 |
| Arsenic | 8.7 | | 201 | 202.4 | | mg/Kg | ☼ | 96 | 75 - 125 |
| Barium | 26.4 | J | 201 | 230.3 | | mg/Kg | ☼ | 101 | 75 - 125 |
| Beryllium | 0.41 | U | 5.03 | 5.73 | | mg/Kg | ☼ | 114 | 75 - 125 |
| Cadmium | 0.81 | U | 5.03 | 4.88 | | mg/Kg | ☼ | 97 | 75 - 125 |
| Calcium | 506 | J | 2010 | 2611 | | mg/Kg | ☼ | 105 | 75 - 125 |
| Chromium | 9.8 | | 20.1 | 39.63 | N | mg/Kg | ☼ | 148 | 75 - 125 |
| Cobalt | 3.0 | J | 50.3 | 54.92 | | mg/Kg | ☼ | 103 | 75 - 125 |
| Copper | 11.6 | | 25.1 | 37.96 | | mg/Kg | ☼ | 105 | 75 - 125 |
| Iron | 10500 | | 101 | 11660 | 4 | mg/Kg | ☼ | 1135 | 75 - 125 |
| Lead | 19.4 | | 50.3 | 70.79 | | mg/Kg | ☼ | 102 | 75 - 125 |
| Magnesium | 858 | J | 2010 | 3714 | N | mg/Kg | ☼ | 142 | 75 - 125 |
| Manganese | 174 | | 50.3 | 241.4 | N | mg/Kg | ☼ | 135 | 75 - 125 |
| Nickel | 7.6 | J | 50.3 | 65.50 | | mg/Kg | ☼ | 115 | 75 - 125 |
| Potassium | 255 | J | 2010 | 2368 | | mg/Kg | ☼ | 105 | 75 - 125 |
| Selenium | 4.1 | U | 201 | 192.0 | | mg/Kg | ☼ | 95 | 75 - 125 |
| Silver | 2.0 | U | 5.03 | 4.88 | | mg/Kg | ☼ | 97 | 75 - 125 |
| Sodium | 1020 | U | 2010 | 2104 | | mg/Kg | ☼ | 105 | 75 - 125 |
| Thallium | 4.1 | U | 201 | 203.4 | | mg/Kg | ☼ | 101 | 75 - 125 |
| Vanadium | 12.3 | | 50.3 | 67.37 | | mg/Kg | ☼ | 109 | 75 - 125 |
| Zinc | 29.4 | | 50.3 | 83.12 | | mg/Kg | ☼ | 107 | 75 - 125 |

Lab Sample ID: 460-111850-3 DU

Matrix: Solid

Analysis Batch: 361922

Client Sample ID: B4

Prep Type: Total/NA

Prep Batch: 361839

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|-----------|---------------|------------------|-----------|--------------|-------|---|-----|-------|
| Aluminum | 5920 | | 5453 | | mg/Kg | ☼ | 8 | 20 |
| Antimony | 4.1 | U | 4.1 | U | mg/Kg | ☼ | NC | 20 |
| Arsenic | 8.7 | | 6.61 | | mg/Kg | ☼ | 27 | 20 |
| Barium | 26.4 | J | 20.67 | J | mg/Kg | ☼ | 24 | 20 |
| Beryllium | 0.41 | U | 0.41 | U | mg/Kg | ☼ | NC | 20 |
| Cadmium | 0.81 | U | 0.81 | U | mg/Kg | ☼ | NC | 20 |
| Calcium | 506 | J | 473.6 | J | mg/Kg | ☼ | 7 | 20 |
| Chromium | 9.8 | | 9.11 | | mg/Kg | ☼ | 7 | 20 |
| Cobalt | 3.0 | J | 2.91 | J | mg/Kg | ☼ | 1 | 20 |
| Copper | 11.6 | | 10.34 | | mg/Kg | ☼ | 11 | 20 |
| Iron | 10500 | | 9768 | | mg/Kg | ☼ | 7 | 20 |
| Lead | 19.4 | | 18.45 | | mg/Kg | ☼ | 5 | 20 |
| Magnesium | 858 | J | 806.1 | J | mg/Kg | ☼ | 6 | 20 |
| Manganese | 174 | | 178.5 | | mg/Kg | ☼ | 3 | 20 |
| Nickel | 7.6 | J | 8.14 | | mg/Kg | ☼ | 7 | 20 |
| Potassium | 255 | J | 246.8 | J | mg/Kg | ☼ | 3 | 20 |
| Selenium | 4.1 | U | 4.1 | U | mg/Kg | ☼ | NC | 20 |
| Silver | 2.0 | U | 2.0 | U | mg/Kg | ☼ | NC | 20 |
| Sodium | 1020 | U | 1020 | U | mg/Kg | ☼ | NC | 20 |
| Thallium | 4.1 | U | 4.1 | U | mg/Kg | ☼ | NC | 20 |

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 460-111850-3 DU
Matrix: Solid
Analysis Batch: 361922

Client Sample ID: B4
Prep Type: Total/NA
Prep Batch: 361839

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|----------|---------------|------------------|-----------|--------------|-------|---|-----|-------|
| Vanadium | 12.3 | | 10.82 | | mg/Kg | ☼ | 13 | 20 |
| Zinc | 29.4 | | 27.42 | | mg/Kg | ☼ | 7 | 20 |

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Qualifiers

GC/MS Semi VOA

| Qualifier | Qualifier Description |
|-----------|---|
| U | Analyzed for but not detected. |
| * | Surrogate is outside acceptance limits. |
| J | Indicates an estimated value. |
| * | LCS or LCSD is outside acceptance limits. |
| * | MS or MSD is outside acceptance limits. |
| * | Duplicate RPD exceeds control limits |

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| U | Indicates analyzed for but not detected. |
| J | Sample result is greater than the MDL but below the CRDL |
| * | Duplicate analysis not within control limits. |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| N | Spiked sample recovery is not within control limits. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

GC/MS Semi VOA

Prep Batch: 361719

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 460-111767-D-4-B MS | Matrix Spike | Total/NA | Solid | 3546 | |
| 460-111767-D-4-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 3546 | |
| 460-111850-1 | A4 | Total/NA | Solid | 3546 | |
| 460-111850-2 | A5 | Total/NA | Solid | 3546 | |
| LCS 460-361719/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| LCS 460-361719/3-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| MB 460-361719/1-A | Method Blank | Total/NA | Solid | 3546 | |

Prep Batch: 361911

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 460-111850-3 | B4 | Total/NA | Solid | 3546 | |
| 460-111850-3 MS | B4 | Total/NA | Solid | 3546 | |
| 460-111850-3 MSD | B4 | Total/NA | Solid | 3546 | |
| LCS 460-361911/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| LCS 460-361911/3-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| MB 460-361911/1-A | Method Blank | Total/NA | Solid | 3546 | |

Analysis Batch: 361964

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 460-111767-D-4-B MS | Matrix Spike | Total/NA | Solid | 8270D | 361719 |
| 460-111767-D-4-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8270D | 361719 |
| 460-111850-1 | A4 | Total/NA | Solid | 8270D | 361719 |
| 460-111850-2 | A5 | Total/NA | Solid | 8270D | 361719 |
| LCS 460-361719/2-A | Lab Control Sample | Total/NA | Solid | 8270D | 361719 |
| LCS 460-361719/3-A | Lab Control Sample | Total/NA | Solid | 8270D | 361719 |

Analysis Batch: 362008

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| MB 460-361719/1-A | Method Blank | Total/NA | Solid | 8270D | 361719 |

Analysis Batch: 362222

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 460-111850-3 | B4 | Total/NA | Solid | 8270D | 361911 |
| 460-111850-3 MS | B4 | Total/NA | Solid | 8270D | 361911 |
| 460-111850-3 MSD | B4 | Total/NA | Solid | 8270D | 361911 |
| LCS 460-361911/2-A | Lab Control Sample | Total/NA | Solid | 8270D | 361911 |
| LCS 460-361911/3-A | Lab Control Sample | Total/NA | Solid | 8270D | 361911 |
| MB 460-361911/1-A | Method Blank | Total/NA | Solid | 8270D | 361911 |

Metals

Prep Batch: 361679

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------------|--------------------|-----------|--------|--------|------------|
| 460-111850-1 | A4 | Total/NA | Solid | 3050B | |
| 460-111850-1 DU | A4 | Total/NA | Solid | 3050B | |
| 460-111850-1 MS | A4 | Total/NA | Solid | 3050B | |
| 460-111850-1 PDS | A4 | Total/NA | Solid | 3050B | |
| 460-111850-1 SD | A4 | Total/NA | Solid | 3050B | |
| 460-111850-2 | A5 | Total/NA | Solid | 3050B | |
| LCSSRM 460-361679/2-A ^4 | Lab Control Sample | Total/NA | Solid | 3050B | |

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Metals (Continued)

Prep Batch: 361679 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------|-----------|--------|--------|------------|
| MB 460-361679/1-A ^2 | Method Blank | Total/NA | Solid | 3050B | |

Analysis Batch: 361771

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------------|--------------------|-----------|--------|--------|------------|
| 460-111850-1 | A4 | Total/NA | Solid | 6010C | 361679 |
| 460-111850-1 DU | A4 | Total/NA | Solid | 6010C | 361679 |
| 460-111850-1 MS | A4 | Total/NA | Solid | 6010C | 361679 |
| 460-111850-1 PDS | A4 | Total/NA | Solid | 6010C | 361679 |
| 460-111850-1 SD | A4 | Total/NA | Solid | 6010C | 361679 |
| 460-111850-2 | A5 | Total/NA | Solid | 6010C | 361679 |
| ICSA 460-361771/10 | ICS | | Solid | 6010C | |
| ICSAB 460-361771/11 | ICS | | Solid | 6010C | |
| LCSSRM 460-361679/2-A ^4 | Lab Control Sample | Total/NA | Solid | 6010C | 361679 |
| MB 460-361679/1-A ^2 | Method Blank | Total/NA | Solid | 6010C | 361679 |

Prep Batch: 361839

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------------|--------------------|-----------|--------|--------|------------|
| 460-111850-3 | B4 | Total/NA | Solid | 3050B | |
| 460-111850-3 DU | B4 | Total/NA | Solid | 3050B | |
| 460-111850-3 MS | B4 | Total/NA | Solid | 3050B | |
| 460-111850-3 PDS | B4 | Total/NA | Solid | 3050B | |
| 460-111850-3 SD | B4 | Total/NA | Solid | 3050B | |
| LCSSRM 460-361839/2-A ^4 | Lab Control Sample | Total/NA | Solid | 3050B | |
| MB 460-361839/1-A ^2 | Method Blank | Total/NA | Solid | 3050B | |

Analysis Batch: 361922

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------------|--------------------|-----------|--------|--------|------------|
| 460-111850-3 | B4 | Total/NA | Solid | 6010C | 361839 |
| 460-111850-3 DU | B4 | Total/NA | Solid | 6010C | 361839 |
| 460-111850-3 MS | B4 | Total/NA | Solid | 6010C | 361839 |
| 460-111850-3 PDS | B4 | Total/NA | Solid | 6010C | 361839 |
| 460-111850-3 SD | B4 | Total/NA | Solid | 6010C | 361839 |
| ICSA 460-361922/11 | ICS | | Solid | 6010C | |
| ICSAB 460-361922/12 | ICS | | Solid | 6010C | |
| LCSSRM 460-361839/2-A ^4 | Lab Control Sample | Total/NA | Solid | 6010C | 361839 |
| MB 460-361839/1-A ^2 | Method Blank | Total/NA | Solid | 6010C | 361839 |

General Chemistry

Analysis Batch: 361567

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 460-111621-A-4 MS | Matrix Spike | Total/NA | Solid | Moisture | |
| 460-111621-A-4 MSD | Matrix Spike Duplicate | Total/NA | Solid | Moisture | |
| 460-111621-A-13 DU | Duplicate | Total/NA | Solid | Moisture | |
| 460-111850-1 | A4 | Total/NA | Solid | Moisture | |
| 460-111850-2 | A5 | Total/NA | Solid | Moisture | |

Analysis Batch: 361654

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 460-111850-3 | B4 | Total/NA | Solid | Moisture | |

TestAmerica Edison

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

General Chemistry (Continued)

Analysis Batch: 361654 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|----------|------------|
| 460-111850-3 DU | B4 | Total/NA | Solid | Moisture | |
| 460-111850-3 MS | B4 | Total/NA | Solid | Moisture | |
| 460-111850-3 MSD | B4 | Total/NA | Solid | Moisture | |

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Client Sample ID: A4

Date Collected: 04/08/16 14:05

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-1

Matrix: Solid

Percent Solids: 91.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 361719 | 04/10/16 09:03 | GRB | TAL EDI |
| Total/NA | Analysis | 8270D | | 1 | 361964 | 04/11/16 23:35 | MMC | TAL EDI |
| Total/NA | Prep | 3050B | | | 361679 | 04/09/16 20:17 | EAE | TAL EDI |
| Total/NA | Analysis | 6010C | | 4 | 361771 | 04/10/16 17:58 | PHP | TAL EDI |
| Total/NA | Analysis | Moisture | | 1 | 361567 | 04/08/16 22:19 | JDH | TAL EDI |

Client Sample ID: A5

Date Collected: 04/08/16 14:00

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-2

Matrix: Solid

Percent Solids: 89.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 361719 | 04/10/16 09:05 | GRB | TAL EDI |
| Total/NA | Analysis | 8270D | | 1 | 361964 | 04/12/16 00:01 | MMC | TAL EDI |
| Total/NA | Prep | 3050B | | | 361679 | 04/09/16 20:17 | EAE | TAL EDI |
| Total/NA | Analysis | 6010C | | 4 | 361771 | 04/10/16 18:20 | PHP | TAL EDI |
| Total/NA | Analysis | Moisture | | 1 | 361567 | 04/08/16 22:19 | JDH | TAL EDI |

Client Sample ID: B4

Date Collected: 04/08/16 13:25

Date Received: 04/08/16 18:00

Lab Sample ID: 460-111850-3

Matrix: Solid

Percent Solids: 93.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 361911 | 04/11/16 13:02 | RAD | TAL EDI |
| Total/NA | Analysis | 8270D | | 1 | 362222 | 04/13/16 11:44 | MMC | TAL EDI |
| Total/NA | Prep | 3050B | | | 361839 | 04/11/16 07:48 | MDC | TAL EDI |
| Total/NA | Analysis | 6010C | | 4 | 361922 | 04/11/16 19:02 | PHP | TAL EDI |
| Total/NA | Analysis | Moisture | | 1 | 361654 | 04/09/16 14:03 | VMM | TAL EDI |

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111850-1

Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|--|-------------|------------|------------------|-----------------|
| New York | NELAP | 2 | 11452 | 03-31-17 |
| The following analytes are included in this report, but certification is not offered by the governing authority: | | | | |
| Analysis Method | Prep Method | Matrix | Analyte | |
| Moisture | | Solid | Percent Moisture | |
| Moisture | | Solid | Percent Solids | |

8270D

Semivolatile Organic Compounds
(GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): Rtxi-5Sil M ID: 0.25 (mm)

| Client Sample ID | Lab Sample ID | 2FP # | PHL # | NBZ # | FBP # | TBP # | TPH # |
|------------------|-------------------------|-------|-------|-------|-------|-------|-------|
| A4 | 460-111850-1 | 84 | 87 | 89 | 91 * | 86 | 103 |
| A5 | 460-111850-2 | 78 | 82 | 84 | 87 * | 71 | 99 |
| B4 | 460-111850-3 | 60 | 63 | 69 | 73 | 26 | 85 |
| | MB 460-361719/1-A | 65 | 61 | 60 | 73 | 77 | 106 |
| | MB 460-361911/1-A | 68 | 67 | 71 | 73 | 49 | 88 |
| | LCS 460-361719/2-A | 76 | 77 | 83 | 87 * | 86 | 93 |
| | LCS 460-361719/3-A | 76 | 76 | 85 | 87 * | 79 | 96 |
| | LCS 460-361911/2-A | 70 | 69 | 76 | 80 | 68 | 90 |
| | LCS 460-361911/3-A | 71 | 72 | 78 | 81 | 48 | 94 |
| B4 MS | 460-111850-3 MS | 58 | 58 | 65 | 68 | 50 | 76 |
| | 460-111767-D-4-B MS | 71 | 73 | 77 | 82 | 72 | 88 |
| B4 MSD | 460-111850-3 MSD | 60 | 62 | 68 | 73 | 51 | 76 |
| | 460-111767-D-4-C MSD | 72 | 74 | 79 | 83 | 76 | 90 |

| | QC LIMITS |
|-----------------------------------|-----------|
| 2FP = 2-Fluorophenol (Surr) | 21-84 |
| PHL = Phenol-d5 (Surr) | 22-88 |
| NBZ = Nitrobenzene-d5 (Surr) | 28-92 |
| FBP = 2-Fluorobiphenyl | 27-84 |
| TBP = 2,4,6-Tribromophenol (Surr) | 10-95 |
| TPH = Terphenyl-d14 (Surr) | 16-114 |

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132516.D
 Lab ID: LCS 460-361719/2-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|------------------------------|---------------------------|---------------------------------|-----------------|---------------------|---|
| 1,1'-Biphenyl | 3330 | 2980 | 89 | 64-103 | |
| 1,2,4,5-Tetrachlorobenzene | 3330 | 3050 | 91 | 62-109 | |
| 2,2'-oxybis[1-chloropropane] | 3330 | 2640 | 79 | 42-119 | |
| 2,3,4,6-Tetrachlorophenol | 3330 | 3080 | 93 | 57-113 | |
| 2,4,5-Trichlorophenol | 3330 | 2920 | 88 | 59-105 | |
| 2,4,6-Trichlorophenol | 3330 | 3000 | 90 | 61-107 | |
| 2,4-Dichlorophenol | 3330 | 2820 | 84 | 59-99 | |
| 2,4-Dimethylphenol | 3330 | 2800 | 84 | 60-98 | |
| 2,4-Dinitrophenol | 6670 | 5800 | 87 | 26-137 | |
| 2,4-Dinitrotoluene | 3330 | 3270 | 98 | 61-118 | |
| 2,6-Dinitrotoluene | 3330 | 3100 | 93 | 63-112 | |
| 2-Chloronaphthalene | 3330 | 3020 | 91 | 63-102 | |
| 2-Chlorophenol | 3330 | 2680 | 80 | 58-95 | |
| 2-Methylnaphthalene | 3330 | 2800 | 84 | 64-102 | |
| 2-Methylphenol | 3330 | 2700 | 81 | 56-99 | |
| 2-Nitroaniline | 3330 | 2950 | 88 | 46-113 | |
| 2-Nitrophenol | 3330 | 2910 | 87 | 63-103 | |
| 3,3'-Dichlorobenzidine | 3330 | 1240 | 37 | 18-92 | |
| 3-Nitroaniline | 3330 | 1630 | 49 | 23-89 | |
| 4,6-Dinitro-2-methylphenol | 6670 | 6010 | 90 | 51-124 | |
| 4-Bromophenyl phenyl ether | 3330 | 3110 | 93 | 65-114 | |
| 4-Chloro-3-methylphenol | 3330 | 2930 | 88 | 58-108 | |
| 4-Chloroaniline | 3330 | 1130 | 34 | 10-82 | |
| 4-Chlorophenyl phenyl ether | 3330 | 3010 | 90 | 63-107 | |
| 4-Methylphenol | 3330 | 2670 | 80 | 53-103 | |
| 4-Nitroaniline | 3330 | 2720 | 82 | 44-109 | |
| 4-Nitrophenol | 6670 | 6050 | 91 | 45-125 | |
| Acenaphthene | 3330 | 3040 | 91 | 59-102 | |
| Acenaphthylene | 3330 | 3050 | 92 | 63-102 | |
| Acetophenone | 3330 | 2580 | 77 | 56-107 | |
| Anthracene | 3330 | 3080 | 92 | 66-105 | |
| Benzo[a]anthracene | 3330 | 2980 | 89 | 65-106 | |
| Benzo[a]pyrene | 3330 | 3230 | 97 | 68-111 | |
| Benzo[b]fluoranthene | 3330 | 3210 | 96 | 67-116 | |
| Benzo[g,h,i]perylene | 3330 | 2770 | 83 | 49-124 | |
| Benzo[k]fluoranthene | 3330 | 3250 | 97 | 65-114 | |
| Bis(2-chloroethoxy)methane | 3330 | 2940 | 88 | 61-102 | |
| Bis(2-chloroethyl)ether | 3330 | 2740 | 82 | 58-102 | |
| Bis(2-ethylhexyl) phthalate | 3330 | 3160 | 95 | 60-125 | |
| Butyl benzyl phthalate | 3330 | 3220 | 97 | 62-123 | |
| Carbazole | 3330 | 3070 | 92 | 62-107 | |
| Chrysene | 3330 | 3230 | 97 | 64-105 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132516.D
 Lab ID: LCS 460-361719/2-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|---------------------------|---------------------------|---------------------------------|-----------------|---------------------|---|
| Dibenz (a,h) anthracene | 3330 | 3100 | 93 | 54-126 | |
| Dibenzofuran | 3330 | 2980 | 89 | 62-102 | |
| Diethyl phthalate | 3330 | 3150 | 94 | 61-110 | |
| Dimethyl phthalate | 3330 | 3130 | 94 | 64-108 | |
| Di-n-butyl phthalate | 3330 | 3190 | 96 | 62-114 | |
| Di-n-octyl phthalate | 3330 | 3400 | 102 | 52-137 | |
| Fluoranthene | 3330 | 3130 | 94 | 59-109 | |
| Fluorene | 3330 | 2960 | 89 | 65-108 | |
| Hexachlorobenzene | 3330 | 3030 | 91 | 65-117 | |
| Hexachlorobutadiene | 3330 | 2990 | 90 | 60-105 | |
| Hexachlorocyclopentadiene | 3330 | 4080 | 122 | 37-119 | * |
| Hexachloroethane | 3330 | 2730 | 82 | 60-94 | |
| Indeno[1,2,3-cd]pyrene | 3330 | 3570 | 107 | 50-134 | |
| Isophorone | 3330 | 3020 | 91 | 60-102 | |
| Naphthalene | 3330 | 2870 | 86 | 64-99 | |
| Nitrobenzene | 3330 | 2940 | 88 | 59-102 | |
| N-Nitrosodi-n-propylamine | 3330 | 2790 | 84 | 56-112 | |
| N-Nitrosodiphenylamine | 3330 | 3030 | 91 | 71-119 | |
| Pentachlorophenol | 6670 | 6450 | 97 | 47-115 | |
| Phenanthrene | 3330 | 2980 | 89 | 66-105 | |
| Phenol | 3330 | 2630 | 79 | 55-99 | |
| Pyrene | 3330 | 3120 | 94 | 55-126 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: L132517.D
Lab ID: LCS 460-361719/3-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|--------------|---------------------------|---------------------------------|-----------------|---------------------|---|
| Atrazine | 6670 | 6730 | 101 | 41-116 | |
| Benzaldehyde | 6670 | 5950 | 89 | 55-116 | |
| Caprolactam | 6670 | 6900 | 104 | 44-129 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132576.D
 Lab ID: LCS 460-361911/2-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|------------------------------|---------------------------|---------------------------------|-----------------|---------------------|---|
| 1,1'-Biphenyl | 3330 | 2720 | 82 | 64-103 | |
| 1,2,4,5-Tetrachlorobenzene | 3330 | 2820 | 85 | 62-109 | |
| 2,2'-oxybis[1-chloropropane] | 3330 | 2390 | 72 | 42-119 | |
| 2,3,4,6-Tetrachlorophenol | 3330 | 2390 | 72 | 57-113 | |
| 2,4,5-Trichlorophenol | 3330 | 2390 | 72 | 59-105 | |
| 2,4,6-Trichlorophenol | 3330 | 2570 | 77 | 61-107 | |
| 2,4-Dichlorophenol | 3330 | 2440 | 73 | 59-99 | |
| 2,4-Dimethylphenol | 3330 | 2410 | 72 | 60-98 | |
| 2,4-Dinitrophenol | 6670 | 4360 | 65 | 26-137 | |
| 2,4-Dinitrotoluene | 3330 | 2580 | 78 | 61-118 | |
| 2,6-Dinitrotoluene | 3330 | 2630 | 79 | 63-112 | |
| 2-Chloronaphthalene | 3330 | 2770 | 83 | 63-102 | |
| 2-Chlorophenol | 3330 | 2420 | 72 | 58-95 | |
| 2-Methylnaphthalene | 3330 | 2410 | 72 | 64-102 | |
| 2-Methylphenol | 3330 | 2320 | 70 | 56-99 | |
| 2-Nitroaniline | 3330 | 2650 | 79 | 46-113 | |
| 2-Nitrophenol | 3330 | 2590 | 78 | 63-103 | |
| 3,3'-Dichlorobenzidine | 3330 | 1530 | 46 | 18-92 | |
| 3-Nitroaniline | 3330 | 1750 | 52 | 23-89 | |
| 4,6-Dinitro-2-methylphenol | 6670 | 5330 | 80 | 51-124 | |
| 4-Bromophenyl phenyl ether | 3330 | 3000 | 90 | 65-114 | |
| 4-Chloro-3-methylphenol | 3330 | 2410 | 72 | 58-108 | |
| 4-Chloroaniline | 3330 | 1400 | 42 | 10-82 | |
| 4-Chlorophenyl phenyl ether | 3330 | 2560 | 77 | 63-107 | |
| 4-Methylphenol | 3330 | 2320 | 70 | 53-103 | |
| 4-Nitroaniline | 3330 | 2240 | 67 | 44-109 | |
| 4-Nitrophenol | 6670 | 4560 | 68 | 45-125 | |
| Acenaphthene | 3330 | 2460 | 74 | 59-102 | |
| Acenaphthylene | 3330 | 2720 | 82 | 63-102 | |
| Acetophenone | 3330 | 2300 | 69 | 56-107 | |
| Anthracene | 3330 | 2880 | 86 | 66-105 | |
| Benzo[a]anthracene | 3330 | 2760 | 83 | 65-106 | |
| Benzo[a]pyrene | 3330 | 2990 | 90 | 68-111 | |
| Benzo[b]fluoranthene | 3330 | 2940 | 88 | 67-116 | |
| Benzo[g,h,i]perylene | 3330 | 2920 | 88 | 49-124 | |
| Benzo[k]fluoranthene | 3330 | 3010 | 90 | 65-114 | |
| Bis(2-chloroethoxy)methane | 3330 | 2510 | 75 | 61-102 | |
| Bis(2-chloroethyl)ether | 3330 | 2450 | 73 | 58-102 | |
| Bis(2-ethylhexyl) phthalate | 3330 | 2840 | 85 | 60-125 | |
| Butyl benzyl phthalate | 3330 | 2880 | 86 | 62-123 | |
| Carbazole | 3330 | 2700 | 81 | 62-107 | |
| Chrysene | 3330 | 2920 | 88 | 64-105 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132576.D
 Lab ID: LCS 460-361911/2-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|---------------------------|---------------------------|---------------------------------|-----------------|---------------------|---|
| Dibenz (a,h) anthracene | 3330 | 3080 | 92 | 54-126 | |
| Dibenzofuran | 3330 | 2630 | 79 | 62-102 | |
| Diethyl phthalate | 3330 | 2510 | 75 | 61-110 | |
| Dimethyl phthalate | 3330 | 2590 | 78 | 64-108 | |
| Di-n-butyl phthalate | 3330 | 2680 | 80 | 62-114 | |
| Di-n-octyl phthalate | 3330 | 2970 | 89 | 52-137 | |
| Fluoranthene | 3330 | 2610 | 78 | 59-109 | |
| Fluorene | 3330 | 2540 | 76 | 65-108 | |
| Hexachlorobenzene | 3330 | 2880 | 86 | 65-117 | |
| Hexachlorobutadiene | 3330 | 2580 | 77 | 60-105 | |
| Hexachlorocyclopentadiene | 3330 | 3490 | 105 | 37-119 | |
| Hexachloroethane | 3330 | 2420 | 72 | 60-94 | |
| Indeno[1,2,3-cd]pyrene | 3330 | 3610 | 108 | 50-134 | |
| Isophorone | 3330 | 2610 | 78 | 60-102 | |
| Naphthalene | 3330 | 2560 | 77 | 64-99 | |
| Nitrobenzene | 3330 | 2690 | 81 | 59-102 | |
| N-Nitrosodi-n-propylamine | 3330 | 2410 | 72 | 56-112 | |
| N-Nitrosodiphenylamine | 3330 | 2960 | 89 | 71-119 | |
| Pentachlorophenol | 6670 | 4860 | 73 | 47-115 | |
| Phenanthrene | 3330 | 2770 | 83 | 66-105 | |
| Phenol | 3330 | 2360 | 71 | 55-99 | |
| Pyrene | 3330 | 3040 | 91 | 55-126 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: L132577.D
Lab ID: LCS 460-361911/3-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|--------------|---------------------------|---------------------------------|-----------------|---------------------|---|
| Atrazine | 6670 | 5820 | 87 | 41-116 | |
| Benzaldehyde | 6670 | 5040 | 76 | 55-116 | |
| Caprolactam | 6670 | 5840 | 88 | 44-129 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-111850-1

SDG No.: _____

Matrix: Solid

Level: Low

Lab File ID: L132581.D

Lab ID: 460-111850-3 MS

Client ID: B4 MS

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|------------------------------|---------------------------|------------------------------------|--------------------------------|----------------|---------------------|---|
| 1,1'-Biphenyl | 3550 | 350 U | 2480 | 70 | 64-103 | |
| 1,2,4,5-Tetrachlorobenzene | 3550 | 350 U | 2580 | 73 | 62-109 | |
| 2,2'-oxybis[1-chloropropane] | 3550 | 350 U | 2190 | 62 | 42-119 | |
| 2,3,4,6-Tetrachlorophenol | 3550 | 350 U | 1290 | 36 | 57-113 | * |
| 2,4,5-Trichlorophenol | 3550 | 350 U | 1770 | 50 | 59-105 | * |
| 2,4,6-Trichlorophenol | 3550 | 140 U | 1960 | 55 | 61-107 | * |
| 2,4-Dichlorophenol | 3550 | 140 U | 1970 | 56 | 59-99 | * |
| 2,4-Dimethylphenol | 3550 | 350 U | 2080 | 59 | 60-98 | * |
| 2,4-Dinitrophenol | 7100 | 280 U | 328 | 5 | 26-137 | * |
| 2,4-Dinitrotoluene | 3550 | 71 U | 2390 | 67 | 61-118 | |
| 2,6-Dinitrotoluene | 3550 | 71 U | 2440 | 69 | 63-112 | |
| 2-Chloronaphthalene | 3550 | 350 U | 2520 | 71 | 63-102 | |
| 2-Chlorophenol | 3550 | 350 U | 2120 | 60 | 58-95 | |
| 2-Methylnaphthalene | 3550 | 8.1 J | 2190 | 61 | 64-102 | * |
| 2-Methylphenol | 3550 | 350 U | 2080 | 59 | 56-99 | |
| 2-Nitroaniline | 3550 | 350 U | 2400 | 68 | 46-113 | |
| 2-Nitrophenol | 3550 | 350 U | 1780 | 50 | 63-103 | * |
| 3,3'-Dichlorobenzidine | 3550 | 140 U | 2050 | 58 | 18-92 | |
| 3-Nitroaniline | 3550 | 350 U | 2030 | 57 | 23-89 | |
| 4,6-Dinitro-2-methylphenol | 7100 | 280 U | 886 | 12 | 51-124 | * |
| 4-Bromophenyl phenyl ether | 3550 | 350 U | 2650 | 75 | 65-114 | |
| 4-Chloro-3-methylphenol | 3550 | 350 U | 2060 | 58 | 58-108 | |
| 4-Chloroaniline | 3550 | 350 U | 1360 | 38 | 10-82 | |
| 4-Chlorophenyl phenyl ether | 3550 | 350 U | 2310 | 65 | 63-107 | |
| 4-Methylphenol | 3550 | 350 U | 2080 | 59 | 53-103 | |
| 4-Nitroaniline | 3550 | 350 U | 2120 | 60 | 44-109 | |
| 4-Nitrophenol | 7100 | 710 U | 3380 | 48 | 45-125 | |
| Acenaphthene | 3550 | 350 U | 2130 | 60 | 59-102 | |
| Acenaphthylene | 3550 | 350 U | 2470 | 70 | 63-102 | |
| Acetophenone | 3550 | 350 U | 2120 | 60 | 56-107 | |
| Anthracene | 3550 | 350 U | 2540 | 72 | 66-105 | |
| Atrazine | 7100 | 140 U | 5190 | 73 | 41-116 | |
| Benzaldehyde | 7100 | 350 U | 4320 | 61 | 55-116 | |
| Benzo[a]anthracene | 3550 | 100 | 2510 | 68 | 65-106 | |
| Benzo[a]pyrene | 3550 | 100 | 2730 | 74 | 68-111 | |
| Benzo[b]fluoranthene | 3550 | 130 | 2670 | 72 | 67-116 | |
| Benzo[g,h,i]perylene | 3550 | 66 J | 2690 | 74 | 49-124 | |
| Benzo[k]fluoranthene | 3550 | 63 | 2690 | 74 | 65-114 | |
| Bis(2-chloroethoxy)methane | 3550 | 350 U | 2330 | 66 | 61-102 | |
| Bis(2-chloroethyl)ether | 3550 | 35 U | 2230 | 63 | 58-102 | |
| Bis(2-ethylhexyl) phthalate | 3550 | 350 U | 2550 | 72 | 60-125 | |
| Butyl benzyl phthalate | 3550 | 350 U | 2660 | 75 | 62-123 | |

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132581.D
 Lab ID: 460-111850-3 MS Client ID: B4 MS

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|---------------------------|---------------------------|------------------------------------|--------------------------------|----------------|---------------------|---|
| Caprolactam | 7100 | 350 U | 3610 | 51 | 44-129 | |
| Carbazole | 3550 | 350 U | 2420 | 68 | 62-107 | |
| Chrysene | 3550 | 110 J | 2660 | 72 | 64-105 | |
| Dibenz (a,h) anthracene | 3550 | 35 U | 2850 | 80 | 54-126 | |
| Dibenzofuran | 3550 | 350 U | 2390 | 67 | 62-102 | |
| Diethyl phthalate | 3550 | 350 U | 2320 | 65 | 61-110 | |
| Dimethyl phthalate | 3550 | 350 U | 2390 | 67 | 64-108 | |
| Di-n-butyl phthalate | 3550 | 350 U | 2460 | 69 | 62-114 | |
| Di-n-octyl phthalate | 3550 | 350 U | 2650 | 75 | 52-137 | |
| Fluoranthene | 3550 | 160 J | 2430 | 64 | 59-109 | |
| Fluorene | 3550 | 350 U | 2320 | 65 | 65-108 | |
| Hexachlorobenzene | 3550 | 35 U | 2580 | 73 | 65-117 | |
| Hexachlorobutadiene | 3550 | 71 U | 2400 | 68 | 60-105 | |
| Hexachlorocyclopentadiene | 3550 | 350 U | 2940 | 83 | 37-119 | |
| Hexachloroethane | 3550 | 35 U | 2260 | 64 | 60-94 | |
| Indeno[1,2,3-cd]pyrene | 3550 | 82 | 3330 | 91 | 50-134 | |
| Isophorone | 3550 | 140 U | 2430 | 68 | 60-102 | |
| Naphthalene | 3550 | 16 J | 2360 | 66 | 64-99 | |
| Nitrobenzene | 3550 | 35 U | 2380 | 67 | 59-102 | |
| N-Nitrosodi-n-propylamine | 3550 | 35 U | 2270 | 64 | 56-112 | |
| N-Nitrosodiphenylamine | 3550 | 350 U | 2590 | 73 | 71-119 | |
| Pentachlorophenol | 7100 | 280 U | 640 | 9 | 47-115 | * |
| Phenanthrene | 3550 | 60 J | 2480 | 68 | 66-105 | |
| Phenol | 3550 | 350 U | 2100 | 59 | 55-99 | |
| Pyrene | 3550 | 180 J | 2830 | 75 | 55-126 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: L132525.D
Lab ID: 460-111767-D-4-B MS Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|------------------------------|---------------------------|------------------------------------|--------------------------------|----------------|---------------------|---|
| 1,1'-Biphenyl | 3850 | 230 J | 3520 | 85 | 64-103 | |
| 1,2,4,5-Tetrachlorobenzene | 3850 | 380 U | 3420 | 89 | 62-109 | |
| 2,2'-oxybis[1-chloropropane] | 3850 | 380 U | 2980 | 77 | 42-119 | |
| 2,3,4,6-Tetrachlorophenol | 3850 | 380 U | 3040 | 79 | 57-113 | |
| 2,4,5-Trichlorophenol | 3850 | 380 U | 3020 | 78 | 59-105 | |
| 2,4,6-Trichlorophenol | 3850 | 150 U | 3170 | 82 | 61-107 | |
| 2,4-Dichlorophenol | 3850 | 150 U | 3050 | 79 | 59-99 | |
| 2,4-Dimethylphenol | 3850 | 380 U | 3090 | 80 | 60-98 | |
| 2,4-Dinitrophenol | 7700 | 310 U | 3790 | 49 | 26-137 | |
| 2,4-Dinitrotoluene | 3850 | 78 U | 3540 | 92 | 61-118 | |
| 2,6-Dinitrotoluene | 3850 | 78 U | 3460 | 90 | 63-112 | |
| 2-Chloronaphthalene | 3850 | 380 U | 3370 | 88 | 63-102 | |
| 2-Chlorophenol | 3850 | 380 U | 3030 | 79 | 58-95 | |
| 2-Methylnaphthalene | 3850 | 1400 | 4260 | 75 | 64-102 | |
| 2-Methylphenol | 3850 | 380 U | 3020 | 78 | 56-99 | |
| 2-Nitroaniline | 3850 | 380 U | 3270 | 85 | 46-113 | |
| 2-Nitrophenol | 3850 | 380 U | 2950 | 77 | 63-103 | |
| 3,3'-Dichlorobenzidine | 3850 | 150 U | 1660 | 43 | 18-92 | |
| 3-Nitroaniline | 3850 | 380 U | 1540 | 40 | 23-89 | |
| 4,6-Dinitro-2-methylphenol | 7700 | 310 U | 5330 | 69 | 51-124 | |
| 4-Bromophenyl phenyl ether | 3850 | 380 U | 3570 | 93 | 65-114 | |
| 4-Chloro-3-methylphenol | 3850 | 380 U | 3130 | 81 | 58-108 | |
| 4-Chloroaniline | 3850 | 380 U | 772 | 20 | 10-82 | |
| 4-Chlorophenyl phenyl ether | 3850 | 380 U | 3280 | 85 | 63-107 | |
| 4-Methylphenol | 3850 | 380 U | 2970 | 77 | 53-103 | |
| 4-Nitroaniline | 3850 | 380 U | 2800 | 73 | 44-109 | |
| 4-Nitrophenol | 7700 | 780 U | 6270 | 81 | 45-125 | |
| Acenaphthene | 3850 | 170 J | 3380 | 83 | 59-102 | |
| Acenaphthylene | 3850 | 50 J | 3420 | 87 | 63-102 | |
| Acetophenone | 3850 | 31 J | 3030 | 78 | 56-107 | |
| Anthracene | 3850 | 99 J | 3560 | 90 | 66-105 | |
| Atrazine | 7700 | 150 U | 7170 | 93 | 41-116 | |
| Benzaldehyde | 7700 | 380 U | 6310 | 82 | 55-116 | |
| Benzo[a]anthracene | 3850 | 130 | 3450 | 86 | 65-106 | |
| Benzo[a]pyrene | 3850 | 52 | 3600 | 92 | 68-111 | |
| Benzo[b]fluoranthene | 3850 | 110 | 3630 | 92 | 67-116 | |
| Benzo[g,h,i]perylene | 3850 | 46 J | 3150 | 81 | 49-124 | |
| Benzo[k]fluoranthene | 3850 | 41 | 3700 | 95 | 65-114 | |
| Bis(2-chloroethoxy)methane | 3850 | 380 U | 3310 | 86 | 61-102 | |
| Bis(2-chloroethyl)ether | 3850 | 38 U | 3120 | 81 | 58-102 | |
| Bis(2-ethylhexyl) phthalate | 3850 | 380 U | 3610 | 94 | 60-125 | |
| Butyl benzyl phthalate | 3850 | 380 U | 3690 | 96 | 62-123 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132525.D
 Lab ID: 460-111767-D-4-B MS Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|---------------------------|---------------------------|------------------------------------|--------------------------------|----------------|---------------------|---|
| Caprolactam | 7700 | 380 U | 6240 | 81 | 44-129 | |
| Carbazole | 3850 | 380 U | 3430 | 89 | 62-107 | |
| Chrysene | 3850 | 140 J | 3650 | 91 | 64-105 | |
| Dibenz (a,h) anthracene | 3850 | 38 U | 3460 | 90 | 54-126 | |
| Dibenzofuran | 3850 | 360 J | 3650 | 85 | 62-102 | |
| Diethyl phthalate | 3850 | 380 U | 3460 | 90 | 61-110 | |
| Dimethyl phthalate | 3850 | 380 U | 3440 | 89 | 64-108 | |
| Di-n-butyl phthalate | 3850 | 380 U | 3600 | 93 | 62-114 | |
| Di-n-octyl phthalate | 3850 | 380 U | 3950 | 103 | 52-137 | |
| Fluoranthene | 3850 | 390 | 3790 | 88 | 59-109 | |
| Fluorene | 3850 | 690 | 3920 | 84 | 65-108 | |
| Hexachlorobenzene | 3850 | 38 U | 3430 | 89 | 65-117 | |
| Hexachlorobutadiene | 3850 | 78 U | 3290 | 85 | 60-105 | |
| Hexachlorocyclopentadiene | 3850 | 380 U | 4220 | 110 | 37-119 | |
| Hexachloroethane | 3850 | 38 U | 3040 | 79 | 60-94 | |
| Indeno[1,2,3-cd]pyrene | 3850 | 53 | 4030 | 103 | 50-134 | |
| Isophorone | 3850 | 150 U | 3380 | 88 | 60-102 | |
| Naphthalene | 3850 | 2100 | 5390 | 87 | 64-99 | |
| Nitrobenzene | 3850 | 38 U | 3060 | 80 | 59-102 | |
| N-Nitrosodi-n-propylamine | 3850 | 38 U | 3190 | 83 | 56-112 | |
| N-Nitrosodiphenylamine | 3850 | 380 U | 3480 | 90 | 71-119 | |
| Pentachlorophenol | 7700 | 310 U | 6030 | 78 | 47-115 | |
| Phenanthrene | 3850 | 1500 | 4910 | 89 | 66-105 | |
| Phenol | 3850 | 380 U | 2980 | 78 | 55-99 | |
| Pyrene | 3850 | 340 J | 3890 | 92 | 55-126 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-111850-1

SDG No.: _____

Matrix: Solid

Level: Low

Lab File ID: L132582.D

Lab ID: 460-111850-3 MSD

Client ID: B4 MSD

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS | | # |
|------------------------------|---------------------------|---------------------------------|-----------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| 1,1'-Biphenyl | 3550 | 2650 | 75 | 7 | 30 | 64-103 | |
| 1,2,4,5-Tetrachlorobenzene | 3550 | 2740 | 77 | 6 | 30 | 62-109 | |
| 2,2'-oxybis[1-chloropropane] | 3550 | 2280 | 64 | 4 | 30 | 42-119 | |
| 2,3,4,6-Tetrachlorophenol | 3550 | 1480 | 42 | 13 | 30 | 57-113 | * |
| 2,4,5-Trichlorophenol | 3550 | 1900 | 53 | 7 | 30 | 59-105 | * |
| 2,4,6-Trichlorophenol | 3550 | 2070 | 58 | 6 | 30 | 61-107 | * |
| 2,4-Dichlorophenol | 3550 | 2070 | 58 | 5 | 30 | 59-99 | * |
| 2,4-Dimethylphenol | 3550 | 2200 | 62 | 6 | 30 | 60-98 | |
| 2,4-Dinitrophenol | 7100 | 406 | 6 | 21 | 30 | 26-137 | * |
| 2,4-Dinitrotoluene | 3550 | 2560 | 72 | 7 | 30 | 61-118 | |
| 2,6-Dinitrotoluene | 3550 | 2550 | 72 | 5 | 30 | 63-112 | |
| 2-Chloronaphthalene | 3550 | 2660 | 75 | 5 | 30 | 63-102 | |
| 2-Chlorophenol | 3550 | 2190 | 62 | 3 | 30 | 58-95 | |
| 2-Methylnaphthalene | 3550 | 2290 | 64 | 4 | 30 | 64-102 | |
| 2-Methylphenol | 3550 | 2160 | 61 | 4 | 30 | 56-99 | |
| 2-Nitroaniline | 3550 | 2540 | 72 | 6 | 30 | 46-113 | |
| 2-Nitrophenol | 3550 | 1870 | 53 | 5 | 30 | 63-103 | * |
| 3,3'-Dichlorobenzidine | 3550 | 2080 | 59 | 2 | 30 | 18-92 | |
| 3-Nitroaniline | 3550 | 2030 | 57 | 0 | 30 | 23-89 | |
| 4,6-Dinitro-2-methylphenol | 7100 | 1450 | 20 | 48 | 30 | 51-124 | * |
| 4-Bromophenyl phenyl ether | 3550 | 2810 | 79 | 6 | 30 | 65-114 | |
| 4-Chloro-3-methylphenol | 3550 | 2120 | 60 | 3 | 30 | 58-108 | |
| 4-Chloroaniline | 3550 | 1200 | 34 | 13 | 30 | 10-82 | |
| 4-Chlorophenyl phenyl ether | 3550 | 2450 | 69 | 6 | 30 | 63-107 | |
| 4-Methylphenol | 3550 | 2150 | 61 | 3 | 30 | 53-103 | |
| 4-Nitroaniline | 3550 | 2200 | 62 | 4 | 30 | 44-109 | |
| 4-Nitrophenol | 7100 | 3580 | 50 | 6 | 30 | 45-125 | |
| Acenaphthene | 3550 | 2240 | 63 | 5 | 30 | 59-102 | |
| Acenaphthylene | 3550 | 2640 | 75 | 7 | 30 | 63-102 | |
| Acetophenone | 3550 | 2200 | 62 | 4 | 30 | 56-107 | |
| Anthracene | 3550 | 2720 | 77 | 7 | 30 | 66-105 | |
| Atrazine | 7100 | 5490 | 77 | 6 | 30 | 41-116 | |
| Benzaldehyde | 7100 | 4300 | 61 | 1 | 30 | 55-116 | |
| Benzo[a]anthracene | 3550 | 2660 | 72 | 6 | 30 | 65-106 | |
| Benzo[a]pyrene | 3550 | 2850 | 78 | 4 | 30 | 68-111 | |
| Benzo[b]fluoranthene | 3550 | 2790 | 75 | 4 | 30 | 67-116 | |
| Benzo[g,h,i]perylene | 3550 | 2780 | 77 | 3 | 30 | 49-124 | |
| Benzo[k]fluoranthene | 3550 | 2840 | 78 | 5 | 30 | 65-114 | |
| Bis(2-chloroethoxy)methane | 3550 | 2410 | 68 | 3 | 30 | 61-102 | |
| Bis(2-chloroethyl)ether | 3550 | 2330 | 66 | 5 | 30 | 58-102 | |
| Bis(2-ethylhexyl) phthalate | 3550 | 2690 | 76 | 5 | 30 | 60-125 | |
| Butyl benzyl phthalate | 3550 | 2740 | 77 | 3 | 30 | 62-123 | |

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132582.D
 Lab ID: 460-111850-3 MSD Client ID: B4 MSD

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS | | # |
|---------------------------|---------------------------|---------------------------------|-----------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| Caprolactam | 7100 | 3250 | 46 | 10 | 30 | 44-129 | |
| Carbazole | 3550 | 2590 | 73 | 7 | 30 | 62-107 | |
| Chrysene | 3550 | 2810 | 76 | 5 | 30 | 64-105 | |
| Dibenz (a,h) anthracene | 3550 | 2970 | 84 | 4 | 30 | 54-126 | |
| Dibenzofuran | 3550 | 2500 | 70 | 5 | 30 | 62-102 | |
| Diethyl phthalate | 3550 | 2460 | 69 | 6 | 30 | 61-110 | |
| Dimethyl phthalate | 3550 | 2530 | 71 | 6 | 30 | 64-108 | |
| Di-n-butyl phthalate | 3550 | 2590 | 73 | 5 | 30 | 62-114 | |
| Di-n-octyl phthalate | 3550 | 2750 | 77 | 4 | 30 | 52-137 | |
| Fluoranthene | 3550 | 2610 | 69 | 7 | 30 | 59-109 | |
| Fluorene | 3550 | 2440 | 69 | 5 | 30 | 65-108 | |
| Hexachlorobenzene | 3550 | 2720 | 77 | 5 | 30 | 65-117 | |
| Hexachlorobutadiene | 3550 | 2490 | 70 | 3 | 30 | 60-105 | |
| Hexachlorocyclopentadiene | 3550 | 3130 | 88 | 6 | 30 | 37-119 | |
| Hexachloroethane | 3550 | 2350 | 66 | 4 | 30 | 60-94 | |
| Indeno[1,2,3-cd]pyrene | 3550 | 3490 | 96 | 5 | 30 | 50-134 | |
| Isophorone | 3550 | 2500 | 71 | 3 | 30 | 60-102 | |
| Naphthalene | 3550 | 2450 | 69 | 4 | 30 | 64-99 | |
| Nitrobenzene | 3550 | 2480 | 70 | 4 | 30 | 59-102 | |
| N-Nitrosodi-n-propylamine | 3550 | 2350 | 66 | 3 | 30 | 56-112 | |
| N-Nitrosodiphenylamine | 3550 | 2740 | 77 | 6 | 30 | 71-119 | |
| Pentachlorophenol | 7100 | 1510 | 21 | 81 | 30 | 47-115 | * |
| Phenanthrene | 3550 | 2660 | 73 | 7 | 30 | 66-105 | |
| Phenol | 3550 | 2190 | 62 | 4 | 30 | 55-99 | |
| Pyrene | 3550 | 2850 | 75 | 1 | 30 | 55-126 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132526.D
 Lab ID: 460-111767-D-4-C MSD Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS | | # |
|------------------------------|---------------------------|---------------------------------|-----------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| 1,1'-Biphenyl | 3840 | 3360 | 81 | 5 | 30 | 64-103 | |
| 1,2,4,5-Tetrachlorobenzene | 3840 | 3280 | 85 | 4 | 30 | 62-109 | |
| 2,2'-oxybis[1-chloropropane] | 3840 | 2910 | 76 | 2 | 30 | 42-119 | |
| 2,3,4,6-Tetrachlorophenol | 3840 | 3010 | 78 | 1 | 30 | 57-113 | |
| 2,4,5-Trichlorophenol | 3840 | 2930 | 76 | 3 | 30 | 59-105 | |
| 2,4,6-Trichlorophenol | 3840 | 3060 | 80 | 3 | 30 | 61-107 | |
| 2,4-Dichlorophenol | 3840 | 2950 | 77 | 3 | 30 | 59-99 | |
| 2,4-Dimethylphenol | 3840 | 3010 | 78 | 3 | 30 | 60-98 | |
| 2,4-Dinitrophenol | 7680 | 3870 | 50 | 2 | 30 | 26-137 | |
| 2,4-Dinitrotoluene | 3840 | 3530 | 92 | 0 | 30 | 61-118 | |
| 2,6-Dinitrotoluene | 3840 | 3410 | 89 | 2 | 30 | 63-112 | |
| 2-Chloronaphthalene | 3840 | 3250 | 85 | 4 | 30 | 63-102 | |
| 2-Chlorophenol | 3840 | 2900 | 76 | 4 | 30 | 58-95 | |
| 2-Methylnaphthalene | 3840 | 4060 | 70 | 5 | 30 | 64-102 | |
| 2-Methylphenol | 3840 | 2910 | 76 | 4 | 30 | 56-99 | |
| 2-Nitroaniline | 3840 | 3250 | 85 | 1 | 30 | 46-113 | |
| 2-Nitrophenol | 3840 | 2930 | 76 | 1 | 30 | 63-103 | |
| 3,3'-Dichlorobenzidine | 3840 | 1790 | 47 | 8 | 30 | 18-92 | |
| 3-Nitroaniline | 3840 | 1720 | 45 | 11 | 30 | 23-89 | |
| 4,6-Dinitro-2-methylphenol | 7680 | 5230 | 68 | 2 | 30 | 51-124 | |
| 4-Bromophenyl phenyl ether | 3840 | 3350 | 87 | 6 | 30 | 65-114 | |
| 4-Chloro-3-methylphenol | 3840 | 3070 | 80 | 2 | 30 | 58-108 | |
| 4-Chloroaniline | 3840 | 876 | 23 | 13 | 30 | 10-82 | |
| 4-Chlorophenyl phenyl ether | 3840 | 3200 | 83 | 2 | 30 | 63-107 | |
| 4-Methylphenol | 3840 | 2870 | 75 | 3 | 30 | 53-103 | |
| 4-Nitroaniline | 3840 | 2830 | 74 | 1 | 30 | 44-109 | |
| 4-Nitrophenol | 7680 | 6160 | 80 | 2 | 30 | 45-125 | |
| Acenaphthene | 3840 | 3470 | 86 | 3 | 30 | 59-102 | |
| Acenaphthylene | 3840 | 3330 | 85 | 3 | 30 | 63-102 | |
| Acetophenone | 3840 | 2900 | 75 | 4 | 30 | 56-107 | |
| Anthracene | 3840 | 3410 | 86 | 4 | 30 | 66-105 | |
| Atrazine | 7680 | 7070 | 92 | 1 | 30 | 41-116 | |
| Benzaldehyde | 7680 | 6110 | 80 | 3 | 30 | 55-116 | |
| Benzo[a]anthracene | 3840 | 3340 | 84 | 3 | 30 | 65-106 | |
| Benzo[a]pyrene | 3840 | 3420 | 88 | 5 | 30 | 68-111 | |
| Benzo[b]fluoranthene | 3840 | 3630 | 92 | 0 | 30 | 67-116 | |
| Benzo[g,h,i]perylene | 3840 | 3040 | 78 | 3 | 30 | 49-124 | |
| Benzo[k]fluoranthene | 3840 | 3400 | 87 | 8 | 30 | 65-114 | |
| Bis(2-chloroethoxy)methane | 3840 | 3170 | 83 | 4 | 30 | 61-102 | |
| Bis(2-chloroethyl)ether | 3840 | 3000 | 78 | 4 | 30 | 58-102 | |
| Bis(2-ethylhexyl) phthalate | 3840 | 3520 | 92 | 2 | 30 | 60-125 | |
| Butyl benzyl phthalate | 3840 | 3590 | 94 | 3 | 30 | 62-123 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132526.D
 Lab ID: 460-111767-D-4-C MSD Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS | | # |
|---------------------------|---------------------------|---------------------------------|-----------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| Caprolactam | 7680 | 6640 | 87 | 6 | 30 | 44-129 | |
| Carbazole | 3840 | 3270 | 85 | 5 | 30 | 62-107 | |
| Chrysene | 3840 | 3510 | 88 | 4 | 30 | 64-105 | |
| Dibenz (a,h) anthracene | 3840 | 3310 | 86 | 4 | 30 | 54-126 | |
| Dibenzofuran | 3840 | 3530 | 83 | 3 | 30 | 62-102 | |
| Diethyl phthalate | 3840 | 3390 | 88 | 2 | 30 | 61-110 | |
| Dimethyl phthalate | 3840 | 3370 | 88 | 2 | 30 | 64-108 | |
| Di-n-butyl phthalate | 3840 | 3480 | 91 | 3 | 30 | 62-114 | |
| Di-n-octyl phthalate | 3840 | 3770 | 98 | 5 | 30 | 52-137 | |
| Fluoranthene | 3840 | 3610 | 84 | 5 | 30 | 59-109 | |
| Fluorene | 3840 | 3760 | 80 | 4 | 30 | 65-108 | |
| Hexachlorobenzene | 3840 | 3290 | 86 | 4 | 30 | 65-117 | |
| Hexachlorobutadiene | 3840 | 3180 | 83 | 3 | 30 | 60-105 | |
| Hexachlorocyclopentadiene | 3840 | 3950 | 103 | 6 | 30 | 37-119 | |
| Hexachloroethane | 3840 | 3050 | 79 | 0 | 30 | 60-94 | |
| Indeno[1,2,3-cd]pyrene | 3840 | 3890 | 100 | 4 | 30 | 50-134 | |
| Isophorone | 3840 | 3310 | 86 | 2 | 30 | 60-102 | |
| Naphthalene | 3840 | 5050 | 78 | 6 | 30 | 64-99 | |
| Nitrobenzene | 3840 | 3030 | 79 | 1 | 30 | 59-102 | |
| N-Nitrosodi-n-propylamine | 3840 | 3090 | 80 | 3 | 30 | 56-112 | |
| N-Nitrosodiphenylamine | 3840 | 3300 | 86 | 5 | 30 | 71-119 | |
| Pentachlorophenol | 7680 | 5860 | 76 | 3 | 30 | 47-115 | |
| Phenanthrene | 3840 | 4540 | 80 | 8 | 30 | 66-105 | |
| Phenol | 3840 | 2850 | 74 | 5 | 30 | 55-99 | |
| Pyrene | 3840 | 3780 | 90 | 3 | 30 | 55-126 | |

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab File ID: z4178493.D Lab Sample ID: MB 460-361719/1-A
Matrix: Solid Date Extracted: 04/10/2016 09:03
Instrument ID: CBNAMS11 Date Analyzed: 04/12/2016 10:35
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|------------------|----------------------|----------------|------------------|
| | LCS 460-361719/2-A | L132516.D | 04/11/2016 22:42 |
| | LCS 460-361719/3-A | L132517.D | 04/11/2016 23:09 |
| A4 | 460-111850-1 | L132518.D | 04/11/2016 23:35 |
| A5 | 460-111850-2 | L132519.D | 04/12/2016 00:01 |
| | 460-111767-D-4-B MS | L132525.D | 04/12/2016 02:37 |
| | 460-111767-D-4-C MSD | L132526.D | 04/12/2016 03:03 |

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab File ID: L132575.D Lab Sample ID: MB 460-361911/1-A
Matrix: Solid Date Extracted: 04/11/2016 13:02
Instrument ID: CBNAMS12 Date Analyzed: 04/13/2016 08:17
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|------------------|--------------------|----------------|------------------|
| | LCS 460-361911/2-A | L132576.D | 04/13/2016 08:42 |
| | LCS 460-361911/3-A | L132577.D | 04/13/2016 09:08 |
| B4 MS | 460-111850-3 MS | L132581.D | 04/13/2016 10:52 |
| B4 MSD | 460-111850-3 MSD | L132582.D | 04/13/2016 11:18 |
| B4 | 460-111850-3 | L132583.D | 04/13/2016 11:44 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab File ID: z4178270.D DFTPP Injection Date: 04/06/2016
Instrument ID: CBNAMS11 DFTPP Injection Time: 12:25
Analysis Batch No.: 361066

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|-------------------------------------|----------------------|
| 51 | 30.0 - 60.0 % of mass 198 | 35.8 |
| 68 | Less than 2.0 % of mass 69 | 0.4 (0.9) 1 |
| 69 | Mass 69 relative abundance | 45.0 |
| 70 | Less than 2.0 % of mass 69 | 0.9 (2.0) 1 |
| 127 | 40.0 - 60.0 % of mass 198 | 47.2 |
| 197 | Less than 1.0 % of mass 198 | 0.0 |
| 198 | Base Peak, 100 % relative abundance | 100.0 |
| 199 | 5.0- 9.0 % of mass 198 | 7.8 |
| 275 | 10.0 - 30.0 % of mass 198 | 29.7 |
| 365 | Greater than 1.0 % of mass 198 | 3.5 |
| 441 | Present but less than mass 443 | 10.3 (78.1) 3 |
| 442 | Greater than 40.0 % of mass 198 | 65.3 |
| 443 | 17.0 - 23.0 % of mass 442 | 13.2 (20.2) 2 |

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------|----------------------|-------------|---------------|---------------|
| | ICIS 460-361066/2 | z4178271.D | 04/06/2016 | 12:45 |
| | STD120 460-361066/3 | z4178272.D | 04/06/2016 | 13:16 |
| | STD80 460-361066/4 | z4178273.D | 04/06/2016 | 13:40 |
| | STD20 460-361066/5 | z4178274.D | 04/06/2016 | 14:04 |
| | STD10 460-361066/6 | z4178275.D | 04/06/2016 | 14:28 |
| | STD5 460-361066/7 | z4178276.D | 04/06/2016 | 14:52 |
| | STD2 460-361066/8 | z4178277.D | 04/06/2016 | 15:16 |
| | STD1 460-361066/9 | z4178278.D | 04/06/2016 | 15:41 |
| | STD05 460-361066/10 | z4178279.D | 04/06/2016 | 16:05 |
| | STD50 460-361066/11 | z4178280.D | 04/06/2016 | 16:29 |
| | STD120 460-361066/12 | z4178281.D | 04/06/2016 | 16:53 |
| | STD80 460-361066/13 | z4178282.D | 04/06/2016 | 17:17 |
| | STD20 460-361066/14 | z4178283.D | 04/06/2016 | 17:41 |
| | STD10 460-361066/15 | z4178284.D | 04/06/2016 | 18:05 |
| | STD5 460-361066/16 | z4178285.D | 04/06/2016 | 18:30 |
| | STD2 460-361066/17 | z4178286.D | 04/06/2016 | 18:54 |
| | ICV 460-361066/18 | z4178287.D | 04/06/2016 | 19:18 |
| | ICV 460-361066/19 | z4178288.D | 04/06/2016 | 19:42 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Lab File ID: z4178483.D DFTPP Injection Date: 04/12/2016
 Instrument ID: CBNAMS11 DFTPP Injection Time: 06:26
 Analysis Batch No.: 362008

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|-------------------------------------|----------------------|
| 51 | 30.0 - 60.0 % of mass 198 | 47.7 |
| 68 | Less than 2.0 % of mass 69 | 0.7 (2.0) 1 |
| 69 | Mass 69 relative abundance | 35.7 |
| 70 | Less than 2.0 % of mass 69 | 0.3 (0.9) 1 |
| 127 | 40.0 - 60.0 % of mass 198 | 43.9 |
| 197 | Less than 1.0 % of mass 198 | 0.0 |
| 198 | Base Peak, 100 % relative abundance | 100.0 |
| 199 | 5.0- 9.0 % of mass 198 | 6.9 |
| 275 | 10.0 - 30.0 % of mass 198 | 29.2 |
| 365 | Greater than 1.0 % of mass 198 | 4.1 |
| 441 | Present but less than mass 443 | 17.2 (75.0) 3 |
| 442 | Greater than 40.0 % of mass 198 | 121.0 |
| 443 | 17.0 - 23.0 % of mass 442 | 23.0 (19.0) 2 |

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------|--------------------|-------------|---------------|---------------|
| | CCVIS 460-362008/2 | z4178484.D | 04/12/2016 | 06:42 |
| | CCV 460-362008/3 | z4178485.D | 04/12/2016 | 07:11 |
| | MB 460-361719/1-A | z4178493.D | 04/12/2016 | 10:35 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab File ID: L132490.D DFTPP Injection Date: 04/11/2016
Instrument ID: CBNAMS12 DFTPP Injection Time: 10:12
Analysis Batch No.: 361776

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|-------------------------------------|----------------------|
| 51 | 30.0 - 60.0 % of mass 198 | 57.4 |
| 68 | Less than 2.0 % of mass 69 | 0.9 (2.0) 1 |
| 69 | Mass 69 relative abundance | 46.5 |
| 70 | Less than 2.0 % of mass 69 | 0.0 (0.0) 1 |
| 127 | 40.0 - 60.0 % of mass 198 | 54.8 |
| 197 | Less than 1.0 % of mass 198 | 0.4 |
| 198 | Base Peak, 100 % relative abundance | 100.0 |
| 199 | 5.0- 9.0 % of mass 198 | 7.2 |
| 275 | 10.0 - 30.0 % of mass 198 | 22.6 |
| 365 | Greater than 1.0 % of mass 198 | 2.7 |
| 441 | Present but less than mass 443 | 10.8 (79.3) 3 |
| 442 | Greater than 40.0 % of mass 198 | 70.6 |
| 443 | 17.0 - 23.0 % of mass 442 | 13.7 (19.4) 2 |

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------|----------------------|-------------|---------------|---------------|
| | ICIS 460-361776/2 | L132491.D | 04/11/2016 | 10:45 |
| | STD120 460-361776/3 | L132492.D | 04/11/2016 | 11:11 |
| | STD80 460-361776/4 | L132493.D | 04/11/2016 | 11:37 |
| | STD20 460-361776/5 | L132494.D | 04/11/2016 | 12:03 |
| | STD10 460-361776/6 | L132495.D | 04/11/2016 | 12:29 |
| | STD5 460-361776/7 | L132496.D | 04/11/2016 | 12:54 |
| | STD2 460-361776/8 | L132497.D | 04/11/2016 | 13:20 |
| | STD1 460-361776/9 | L132498.D | 04/11/2016 | 13:46 |
| | STD05 460-361776/10 | L132499.D | 04/11/2016 | 14:12 |
| | STD50 460-361776/11 | L132500.D | 04/11/2016 | 14:39 |
| | STD120 460-361776/12 | L132501.D | 04/11/2016 | 15:05 |
| | STD080 460-361776/13 | L132502.D | 04/11/2016 | 15:31 |
| | STD020 460-361776/14 | L132503.D | 04/11/2016 | 15:57 |
| | STD010 460-361776/15 | L132504.D | 04/11/2016 | 16:24 |
| | STD5 460-361776/16 | L132505.D | 04/11/2016 | 16:50 |
| | STD2 460-361776/17 | L132506.D | 04/11/2016 | 17:16 |
| | ICV 460-361776/18 | L132507.D | 04/11/2016 | 17:42 |
| | ICV 460-361776/19 | L132508A.D | 04/11/2016 | 18:51 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab File ID: L132509.D DFTPP Injection Date: 04/11/2016
Instrument ID: CBNAMS12 DFTPP Injection Time: 19:29
Analysis Batch No.: 361964

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|-------------------------------------|----------------------|
| 51 | 30.0 - 60.0 % of mass 198 | 55.1 |
| 68 | Less than 2.0 % of mass 69 | 0.6 (1.4) 1 |
| 69 | Mass 69 relative abundance | 46.0 |
| 70 | Less than 2.0 % of mass 69 | 0.0 (0.0) 1 |
| 127 | 40.0 - 60.0 % of mass 198 | 54.7 |
| 197 | Less than 1.0 % of mass 198 | 0.2 |
| 198 | Base Peak, 100 % relative abundance | 100.0 |
| 199 | 5.0- 9.0 % of mass 198 | 6.3 |
| 275 | 10.0 - 30.0 % of mass 198 | 23.1 |
| 365 | Greater than 1.0 % of mass 198 | 3.2 |
| 441 | Present but less than mass 443 | 11.4 (81.5) 3 |
| 442 | Greater than 40.0 % of mass 198 | 72.9 |
| 443 | 17.0 - 23.0 % of mass 442 | 14.0 (19.2) 2 |

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------|----------------------|-------------|---------------|---------------|
| | CCVIS 460-361964/2 | L132510.D | 04/11/2016 | 19:55 |
| | CCV 460-361964/3 | L132511.D | 04/11/2016 | 20:30 |
| | LCS 460-361719/2-A | L132516.D | 04/11/2016 | 22:42 |
| | LCS 460-361719/3-A | L132517.D | 04/11/2016 | 23:09 |
| A4 | 460-111850-1 | L132518.D | 04/11/2016 | 23:35 |
| A5 | 460-111850-2 | L132519.D | 04/12/2016 | 00:01 |
| | 460-111767-D-4-B MS | L132525.D | 04/12/2016 | 02:37 |
| | 460-111767-D-4-C MSD | L132526.D | 04/12/2016 | 03:03 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab File ID: L132569.D DFTPP Injection Date: 04/13/2016
Instrument ID: CBNAMS12 DFTPP Injection Time: 04:06
Analysis Batch No.: 362222

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|-------------------------------------|----------------------|
| 51 | 30.0 - 60.0 % of mass 198 | 50.9 |
| 68 | Less than 2.0 % of mass 69 | 0.8 (1.7) 1 |
| 69 | Mass 69 relative abundance | 43.0 |
| 70 | Less than 2.0 % of mass 69 | 0.2 (0.4) 1 |
| 127 | 40.0 - 60.0 % of mass 198 | 51.2 |
| 197 | Less than 1.0 % of mass 198 | 0.0 |
| 198 | Base Peak, 100 % relative abundance | 100.0 |
| 199 | 5.0- 9.0 % of mass 198 | 6.6 |
| 275 | 10.0 - 30.0 % of mass 198 | 23.8 |
| 365 | Greater than 1.0 % of mass 198 | 3.0 |
| 441 | Present but less than mass 443 | 11.8 (73.3) 3 |
| 442 | Greater than 40.0 % of mass 198 | 81.5 |
| 443 | 17.0 - 23.0 % of mass 442 | 16.1 (19.8) 2 |

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------|--------------------|-------------|---------------|---------------|
| | CCVIS 460-362222/2 | L132570.D | 04/13/2016 | 04:42 |
| | CCV 460-362222/3 | L132571b.D | 04/13/2016 | 06:27 |
| | MB 460-361911/1-A | L132575.D | 04/13/2016 | 08:17 |
| | LCS 460-361911/2-A | L132576.D | 04/13/2016 | 08:42 |
| | LCS 460-361911/3-A | L132577.D | 04/13/2016 | 09:08 |
| B4 MS | 460-111850-3 MS | L132581.D | 04/13/2016 | 10:52 |
| B4 MSD | 460-111850-3 MSD | L132582.D | 04/13/2016 | 11:18 |
| B4 | 460-111850-3 | L132583.D | 04/13/2016 | 11:44 |

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Sample No.: ICIS 460-361066/2 Date Analyzed: 04/06/2016 12:45
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z4178271.D Heated Purge: (Y/N) N
 Calibration ID: 55196

| | DCB | | NPT | | ANT | | |
|-------------------------------|------------------|--------|---------|--------|--------|--------|------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| INITIAL CALIBRATION MID-POINT | 187897 | 4.58 | 606653 | 5.86 | 293236 | 7.62 | |
| UPPER LIMIT | 375794 | 5.08 | 1213306 | 6.36 | 586472 | 8.12 | |
| LOWER LIMIT | 93949 | 4.08 | 303327 | 5.36 | 146618 | 7.12 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| ICV 460-361066/18 | | 190472 | 4.59 | 640754 | 5.87 | 344239 | 7.63 |
| ICV 460-361066/19 | | 157345 | 4.58 | 555752 | 5.86 | 296294 | 7.62 |

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Sample No.: ICIS 460-361066/2 Date Analyzed: 04/06/2016 12:45
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z4178271.D Heated Purge: (Y/N) N
 Calibration ID: 55196

| | PHN | | CRY | | PRY | | |
|-------------------------------|------------------|--------|--------|--------|--------|--------|-------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| INITIAL CALIBRATION MID-POINT | 402735 | 9.09 | 295119 | 11.93 | 221565 | 13.92 | |
| UPPER LIMIT | 805470 | 9.59 | 590238 | 12.43 | 443130 | 14.42 | |
| LOWER LIMIT | 201368 | 8.59 | 147560 | 11.43 | 110783 | 13.42 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| ICV 460-361066/18 | | 542494 | 9.10 | 444502 | 11.94 | 325066 | 13.92 |
| ICV 460-361066/19 | | 476202 | 9.09 | 384467 | 11.93 | 300328 | 13.92 |

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Sample No.: CCVIS 460-362008/2 Date Analyzed: 04/12/2016 06:42
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z4178484.D Heated Purge: (Y/N) N
 Calibration ID: 55201

| | DCB | | NPT | | ANT | | |
|-------------------|------------------|--------|---------|---------|--------|--------|------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| 12/24 HOUR STD | 253429 | 4.32 | 860927 | 5.60 | 389248 | 7.36 | |
| UPPER LIMIT | 506858 | 4.82 | 1721854 | 6.10 | 778496 | 7.86 | |
| LOWER LIMIT | 126715 | 3.82 | 430464 | 5.10 | 194624 | 6.86 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-361719/1-A | | 292955 | 4.31 | 1080349 | 5.59 | 557695 | 7.35 |

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Sample No.: CCVIS 460-362008/2 Date Analyzed: 04/12/2016 06:42
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z4178484.D Heated Purge: (Y/N) N
 Calibration ID: 55201

| | PHN | | CRY | | PRY | |
|-------------------|------------------|--------|--------|--------|--------|--------------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | 499171 | 8.82 | 242460 | 11.56 | 174183 | 13.47 |
| UPPER LIMIT | 998342 | 9.32 | 484920 | 12.06 | 348366 | 13.97 |
| LOWER LIMIT | 249586 | 8.32 | 121230 | 11.06 | 87092 | 12.97 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | |
| MB 460-361719/1-A | | 784576 | 8.81 | 357104 | 11.56 | 230024 13.46 |

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Sample No.: ICIS 460-361776/2 Date Analyzed: 04/11/2016 10:45
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132491.D Heated Purge: (Y/N) N
 Calibration ID: 55273

| | DCB | | NPT | | ANT | | |
|-------------------------------|------------------|--------|---------|--------|--------|--------|------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| INITIAL CALIBRATION MID-POINT | 185965 | 4.59 | 680747 | 5.88 | 324496 | 7.63 | |
| UPPER LIMIT | 371930 | 5.09 | 1361494 | 6.38 | 648992 | 8.13 | |
| LOWER LIMIT | 92983 | 4.09 | 340374 | 5.38 | 162248 | 7.13 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| ICV 460-361776/18 | | 145237 | 4.60 | 523900 | 5.88 | 258666 | 7.63 |
| ICV 460-361776/19 | | 174034 | 4.59 | 631855 | 5.88 | 317275 | 7.64 |

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Sample No.: ICIS 460-361776/2 Date Analyzed: 04/11/2016 10:45
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132491.D Heated Purge: (Y/N) N
 Calibration ID: 55273

| | PHN | | CRY | | PRY | | |
|-------------------------------|------------------|--------|--------|--------|--------|--------|-------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| INITIAL CALIBRATION MID-POINT | 438741 | 9.10 | 299807 | 11.94 | 255928 | 13.92 | |
| UPPER LIMIT | 877482 | 9.60 | 599614 | 12.44 | 511856 | 14.42 | |
| LOWER LIMIT | 219371 | 8.60 | 149904 | 11.44 | 127964 | 13.42 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| ICV 460-361776/18 | | 379799 | 9.10 | 289494 | 11.93 | 246937 | 13.92 |
| ICV 460-361776/19 | | 482499 | 9.10 | 349384 | 11.93 | 271524 | 13.92 |

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Sample No.: CCVIS 460-361964/2 Date Analyzed: 04/11/2016 19:55
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132510.D Heated Purge: (Y/N) N
 Calibration ID: 55277

| | | DCB | | NPT | | ANT | |
|----------------------|------------------|--------|------|---------|------|--------|------|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 150101 | 4.60 | 537037 | 5.88 | 273146 | 7.64 |
| UPPER LIMIT | | 300202 | 5.10 | 1074074 | 6.38 | 546292 | 8.14 |
| LOWER LIMIT | | 75051 | 4.10 | 268519 | 5.38 | 136573 | 7.14 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-361719/2-A | | 200646 | 4.60 | 709951 | 5.88 | 341957 | 7.63 |
| LCS 460-361719/3-A | | 190905 | 4.60 | 692951 | 5.88 | 326018 | 7.63 |
| 460-111850-1 | A4 | 203028 | 4.60 | 765873 | 5.88 | 390810 | 7.63 |
| 460-111850-2 | A5 | 201547 | 4.60 | 755901 | 5.88 | 373830 | 7.63 |
| 460-111767-D-4-B MS | | 213022 | 4.61 | 768032 | 5.88 | 358250 | 7.64 |
| 460-111767-D-4-C MSD | | 212437 | 4.61 | 763823 | 5.88 | 361630 | 7.64 |

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Sample No.: CCVIS 460-361964/2 Date Analyzed: 04/11/2016 19:55
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132510.D Heated Purge: (Y/N) N
 Calibration ID: 55277

| | PHN | | CRY | | PRY | |
|----------------------|------------------|--------|--------|--------|--------|--------------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | 409311 | 9.11 | 292521 | 11.94 | 242481 | 13.92 |
| UPPER LIMIT | 818622 | 9.61 | 585042 | 12.44 | 484962 | 14.42 |
| LOWER LIMIT | 204656 | 8.61 | 146261 | 11.44 | 121241 | 13.42 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | |
| LCS 460-361719/2-A | | 499883 | 9.11 | 360275 | 11.94 | 278780 13.92 |
| LCS 460-361719/3-A | | 454267 | 9.10 | 332599 | 11.93 | 260294 13.92 |
| 460-111850-1 | A4 | 589769 | 9.10 | 417512 | 11.93 | 315033 13.92 |
| 460-111850-2 | A5 | 555203 | 9.10 | 381434 | 11.93 | 285464 13.92 |
| 460-111767-D-4-B MS | | 489647 | 9.11 | 337634 | 11.94 | 255242 13.92 |
| 460-111767-D-4-C MSD | | 516339 | 9.11 | 356656 | 11.94 | 278516 13.92 |

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Sample No.: CCVIS 460-362222/2 Date Analyzed: 04/13/2016 04:42
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132570.D Heated Purge: (Y/N) N
 Calibration ID: 55277

| | DCB | | NPT | | ANT | |
|--------------------|------------------|--------|---------|---------|--------|-------------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | 181675 | 4.48 | 618604 | 5.76 | 276233 | 7.52 |
| UPPER LIMIT | 363350 | 4.98 | 1237208 | 6.26 | 552466 | 8.02 |
| LOWER LIMIT | 90838 | 3.98 | 309302 | 5.26 | 138117 | 7.02 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | |
| MB 460-361911/1-A | | 248343 | 4.48 | 923696 | 5.76 | 416541 7.51 |
| LCS 460-361911/2-A | | 252794 | 4.48 | 875306 | 5.76 | 382088 7.51 |
| LCS 460-361911/3-A | | 215161 | 4.48 | 779186 | 5.76 | 354576 7.51 |
| 460-111850-3 MS | B4 MS | 255989 | 4.48 | 899891 | 5.76 | 397386 7.51 |
| 460-111850-3 MSD | B4 MSD | 260228 | 4.48 | 909827 | 5.76 | 392983 7.52 |
| 460-111850-3 | B4 | 282753 | 4.48 | 1036067 | 5.76 | 462599 7.51 |

DCB = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Sample No.: CCVIS 460-362222/2 Date Analyzed: 04/13/2016 04:42
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132570.D Heated Purge: (Y/N) N
 Calibration ID: 55277

| | | PHN | | CRY | | PRY | |
|--------------------|--------|------------------|------|--------|-------|--------|-------|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 351067 | 8.98 | 248460 | 11.79 | 245136 | 13.75 |
| UPPER LIMIT | | 702134 | 9.48 | 496920 | 12.29 | 490272 | 14.25 |
| LOWER LIMIT | | 175534 | 8.48 | 124230 | 11.29 | 122568 | 13.25 |
| LAB SAMPLE ID | | CLIENT SAMPLE ID | | | | | |
| MB 460-361911/1-A | | 531540 | 8.98 | 283504 | 11.78 | 216698 | 13.73 |
| LCS 460-361911/2-A | | 473000 | 8.98 | 285453 | 11.78 | 226696 | 13.73 |
| LCS 460-361911/3-A | | 455793 | 8.98 | 273717 | 11.78 | 221221 | 13.73 |
| 460-111850-3 MS | B4 MS | 504854 | 8.98 | 305750 | 11.78 | 247182 | 13.74 |
| 460-111850-3 MSD | B4 MSD | 498758 | 8.98 | 328024 | 11.78 | 276353 | 13.74 |
| 460-111850-3 | B4 | 580058 | 8.98 | 330304 | 11.78 | 261778 | 13.73 |

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>A4</u> | Lab Sample ID: <u>460-111850-1</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132518.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 14:05</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0458(g)</u> | Date Analyzed: <u>04/11/2016 23:35</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>8.3</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 360 | U | 360 | 31 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 360 | U | 360 | 27 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 360 | U | 360 | 15 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 360 | U | 360 | 34 |
| 95-95-4 | 2,4,5-Trichlorophenol | 360 | U | 360 | 36 |
| 88-06-2 | 2,4,6-Trichlorophenol | 140 | U | 140 | 10 |
| 120-83-2 | 2,4-Dichlorophenol | 140 | U | 140 | 8.5 |
| 105-67-9 | 2,4-Dimethylphenol | 360 | U | 360 | 79 |
| 51-28-5 | 2,4-Dinitrophenol | 290 | U | 290 | 270 |
| 121-14-2 | 2,4-Dinitrotoluene | 73 | U | 73 | 14 |
| 606-20-2 | 2,6-Dinitrotoluene | 73 | U | 73 | 19 |
| 91-58-7 | 2-Chloronaphthalene | 360 | U | 360 | 8.2 |
| 95-57-8 | 2-Chlorophenol | 360 | U | 360 | 9.1 |
| 91-57-6 | 2-Methylnaphthalene | 54 | J | 360 | 7.9 |
| 95-48-7 | 2-Methylphenol | 360 | U | 360 | 16 |
| 88-74-4 | 2-Nitroaniline | 360 | U | 360 | 12 |
| 88-75-5 | 2-Nitrophenol | 360 | U | 360 | 12 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 140 | U | 140 | 40 |
| 99-09-2 | 3-Nitroaniline | 360 | U | 360 | 11 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 290 | U | 290 | 96 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 360 | U | 360 | 11 |
| 59-50-7 | 4-Chloro-3-methylphenol | 360 | U | 360 | 15 |
| 106-47-8 | 4-Chloroaniline | 360 | U | 360 | 9.2 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 360 | U | 360 | 11 |
| 106-44-5 | 4-Methylphenol | 360 | U | 360 | 9.8 |
| 100-01-6 | 4-Nitroaniline | 360 | U | 360 | 14 |
| 100-02-7 | 4-Nitrophenol | 730 | U | 730 | 170 |
| 83-32-9 | Acenaphthene | 360 | U | 360 | 8.7 |
| 208-96-8 | Acenaphthylene | 360 | U | 360 | 9.2 |
| 98-86-2 | Acetophenone | 360 | U | 360 | 7.8 |
| 120-12-7 | Anthracene | 360 | U | 360 | 34 |
| 1912-24-9 | Atrazine | 140 | U | 140 | 16 |
| 100-52-7 | Benzaldehyde | 360 | U | 360 | 27 |
| 56-55-3 | Benzo[a]anthracene | 53 | | 36 | 30 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>A4</u> | Lab Sample ID: <u>460-111850-1</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132518.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 14:05</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0458(g)</u> | Date Analyzed: <u>04/11/2016 23:35</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>8.3</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|-----|-----|-----|
| 50-32-8 | Benzo[a]pyrene | 45 | | 36 | 11 |
| 205-99-2 | Benzo[b]fluoranthene | 81 | | 36 | 14 |
| 191-24-2 | Benzo[g,h,i]perylene | 23 | J | 360 | 21 |
| 207-08-9 | Benzo[k]fluoranthene | 30 | J | 36 | 16 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 360 | U | 360 | 11 |
| 111-44-4 | Bis(2-chloroethyl)ether | 36 | U | 36 | 8.5 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 360 | U | 360 | 14 |
| 85-68-7 | Butyl benzyl phthalate | 360 | U | 360 | 11 |
| 105-60-2 | Caprolactam | 360 | U | 360 | 26 |
| 86-74-8 | Carbazole | 360 | U | 360 | 8.9 |
| 218-01-9 | Chrysene | 60 | J | 360 | 9.8 |
| 53-70-3 | Dibenz(a,h)anthracene | 36 | U | 36 | 19 |
| 132-64-9 | Dibenzofuran | 360 | U | 360 | 11 |
| 84-66-2 | Diethyl phthalate | 360 | U | 360 | 10 |
| 131-11-3 | Dimethyl phthalate | 360 | U | 360 | 10 |
| 84-74-2 | Di-n-butyl phthalate | 360 | U | 360 | 11 |
| 117-84-0 | Di-n-octyl phthalate | 360 | U | 360 | 18 |
| 206-44-0 | Fluoranthene | 81 | J | 360 | 11 |
| 86-73-7 | Fluorene | 360 | U | 360 | 7.8 |
| 118-74-1 | Hexachlorobenzene | 36 | U | 36 | 15 |
| 87-68-3 | Hexachlorobutadiene | 73 | U | 73 | 10 |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | U * | 360 | 22 |
| 67-72-1 | Hexachloroethane | 36 | U | 36 | 13 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 24 | J | 36 | 24 |
| 78-59-1 | Isophorone | 140 | U | 140 | 7.7 |
| 91-20-3 | Naphthalene | 94 | J | 360 | 9.1 |
| 98-95-3 | Nitrobenzene | 36 | U | 36 | 11 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 36 | U | 36 | 12 |
| 86-30-6 | N-Nitrosodiphenylamine | 360 | U | 360 | 33 |
| 87-86-5 | Pentachlorophenol | 290 | U | 290 | 44 |
| 85-01-8 | Phenanthrene | 17 | J | 360 | 9.6 |
| 108-95-2 | Phenol | 360 | U | 360 | 12 |
| 129-00-0 | Pyrene | 83 | J | 360 | 16 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>A4</u> | Lab Sample ID: <u>460-111850-1</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132518.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 14:05</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0458(g)</u> | Date Analyzed: <u>04/11/2016 23:35</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>8.3</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 86 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 91 | * | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 84 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 89 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 87 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 103 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D
 Lims ID: 460-111850-A-1-D Lab Sample ID: 460-111850-1
 Client ID: A4
 Sample Type: Client
 Inject. Date: 11-Apr-2016 23:35:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039729-010
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:44:52 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: zhaoc

Date: 12-Apr-2016 09:00:34

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|-----------|---------------|---------------|----|----------|-----------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.317 | 3.294 | 0.023 | 94 | 289958 | 42.0 | |
| \$ 6 Phenol-d5 | 99 | 4.211 | 4.211 | 0.000 | 86 | 365851 | 43.7 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.599 | 4.594 | 0.005 | 97 | 203028 | 40.0 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.146 | 5.152 | -0.006 | 92 | 326968 | 44.6 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 765873 | 40.0 | |
| 37 Naphthalene | 128 | 5.899 | 5.899 | 0.000 | 99 | 25695 | 1.30 | |
| 42 2-Methylnaphthalene | 142 | 6.593 | 6.593 | 0.000 | 88 | 9717 | 0.7431 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.958 | 6.964 | -0.006 | 98 | 631749 | 45.3 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.635 | -0.001 | 93 | 390810 | 40.0 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.411 | 8.417 | -0.006 | 95 | 70660 | 43.2 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 589769 | 40.0 | |
| 86 Phenanthrene | 178 | 9.123 | 9.129 | -0.006 | 95 | 4083 | 0.2392 | |
| 90 Fluoranthene | 202 | 10.293 | 10.299 | -0.006 | 98 | 17474 | 1.12 | |
| 92 Pyrene | 202 | 10.528 | 10.534 | -0.006 | 96 | 17574 | 1.15 | |
| \$ 94 Terphenyl-d14 | 244 | 10.693 | 10.693 | 0.000 | 99 | 536808 | 51.5 | |
| 99 Benzo[a]anthracene | 228 | 11.916 | 11.923 | -0.006 | 97 | 9354 | 0.7367 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.934 | 0.000 | 98 | 417512 | 40.0 | |
| 101 Chrysene | 228 | 11.964 | 11.975 | -0.011 | 98 | 9511 | 0.8306 | |
| 104 Benzo[b]fluoranthene | 252 | 13.375 | 13.381 | -0.006 | 96 | 10256 | 1.12 | |
| 105 Benzo[k]fluoranthene | 252 | 13.410 | 13.422 | -0.012 | 95 | 3924 | 0.4101 | |
| 106 Benzo[a]pyrene | 252 | 13.828 | 13.840 | -0.012 | 94 | 5307 | 0.6153 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.916 | 0.000 | 96 | 315033 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.399 | 15.411 | -0.012 | 92 | 2574 | 0.3317 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.781 | 15.799 | -0.018 | 90 | 2627 | 0.3177 | |

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39729.b\\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Worklist Smp#: 10

Client ID: A4

Injection Vol: 1.0 ul

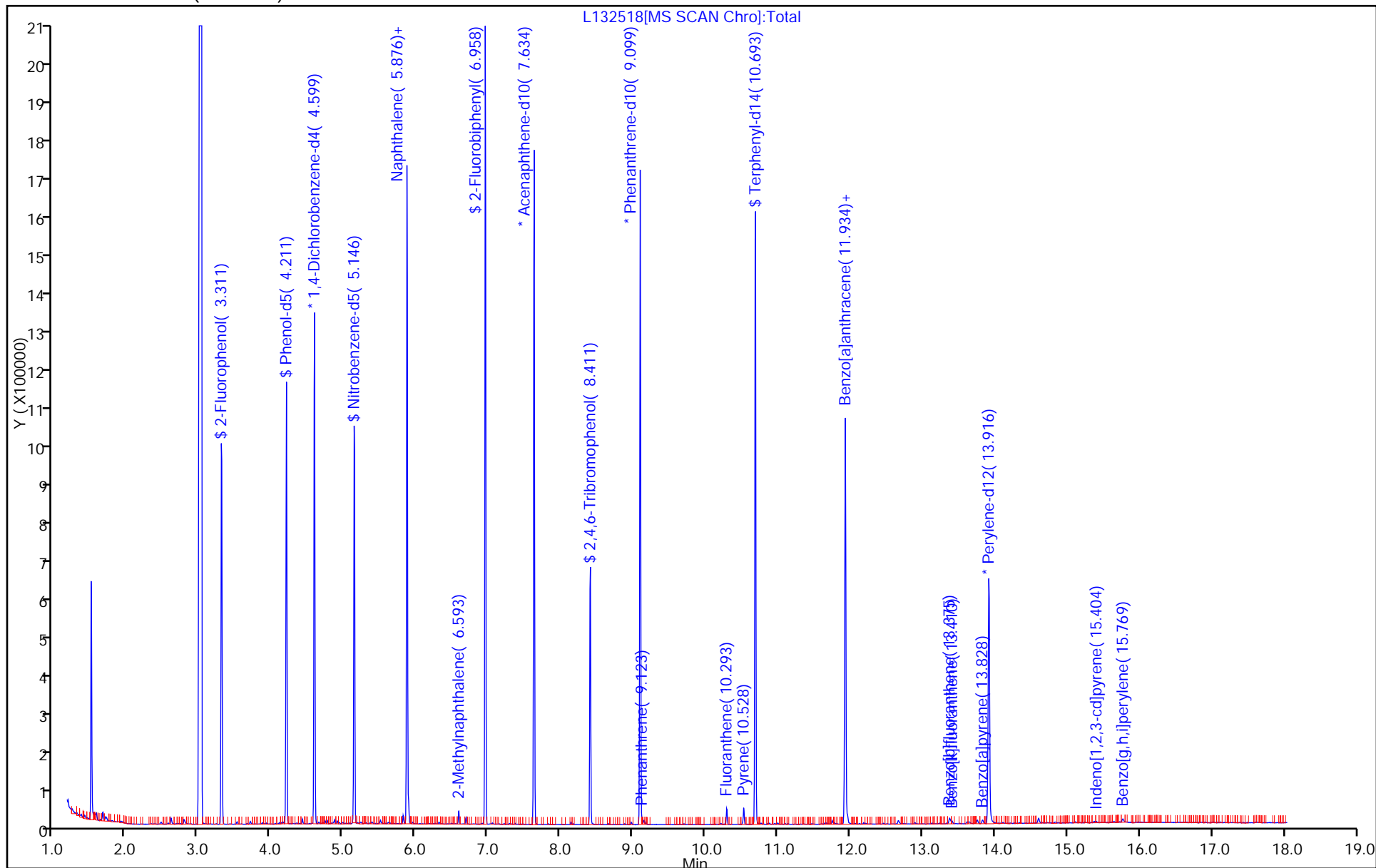
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

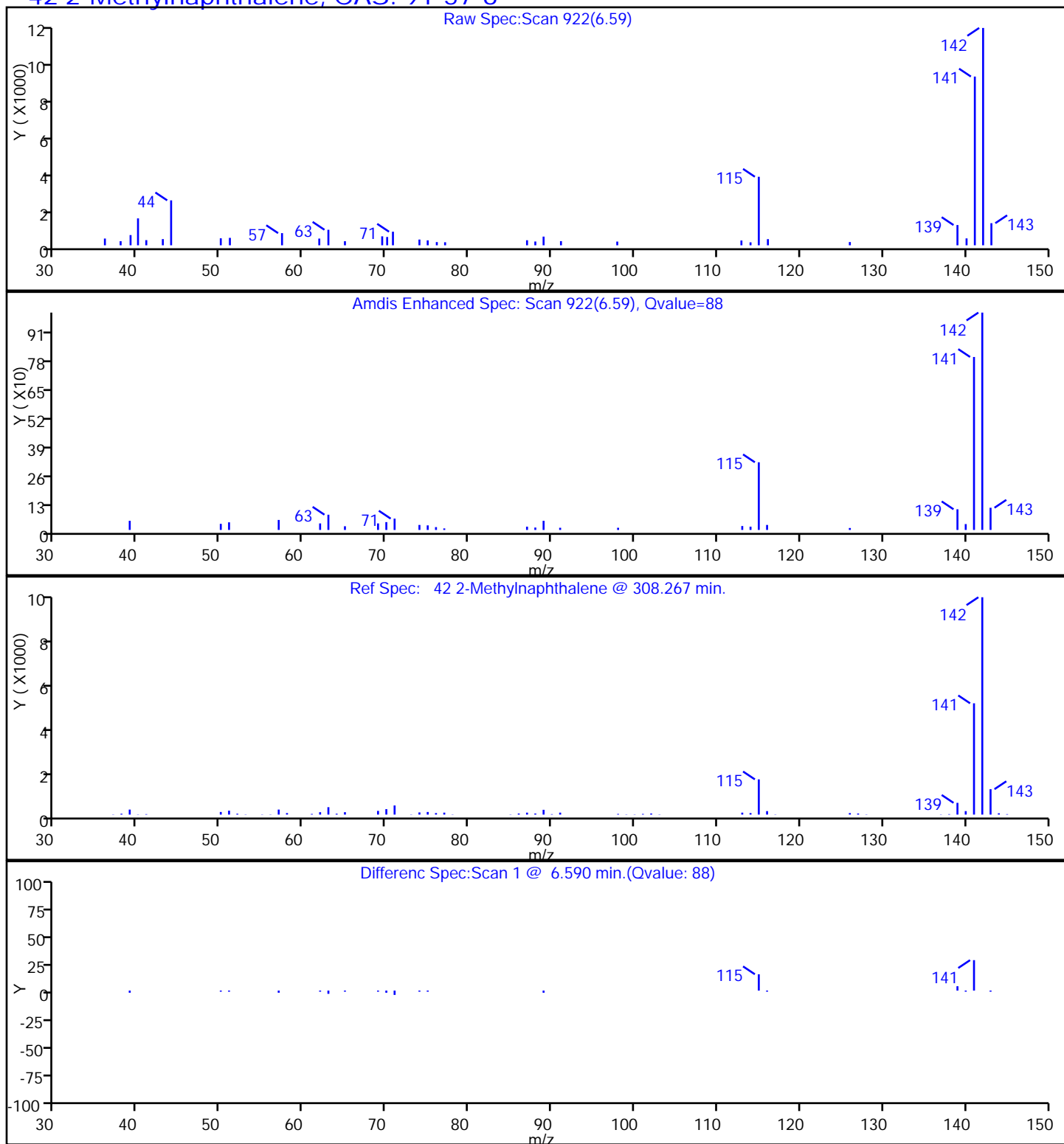
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

42 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

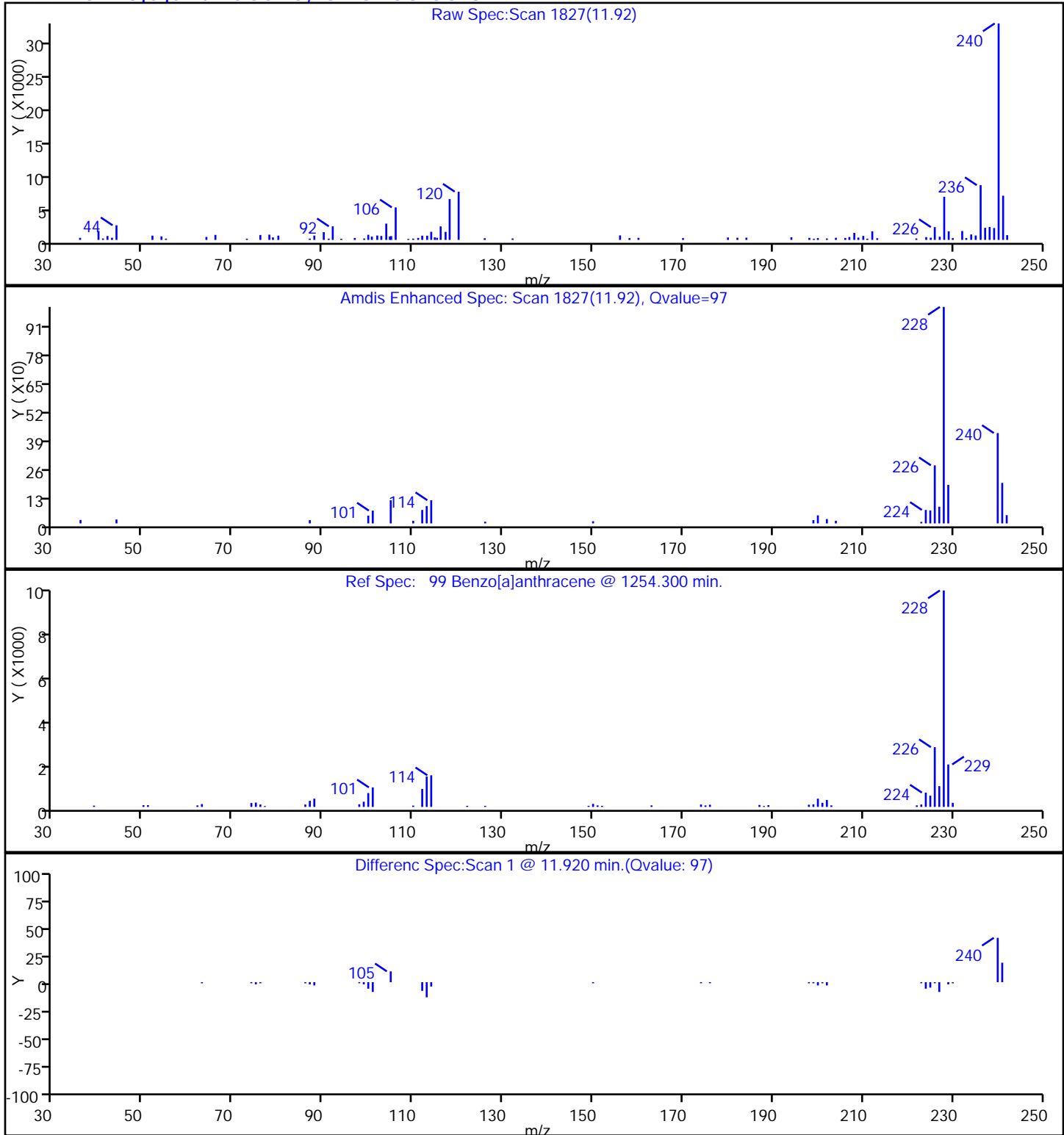
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

99 Benzo[a]anthracene, CAS: 56-55-3



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

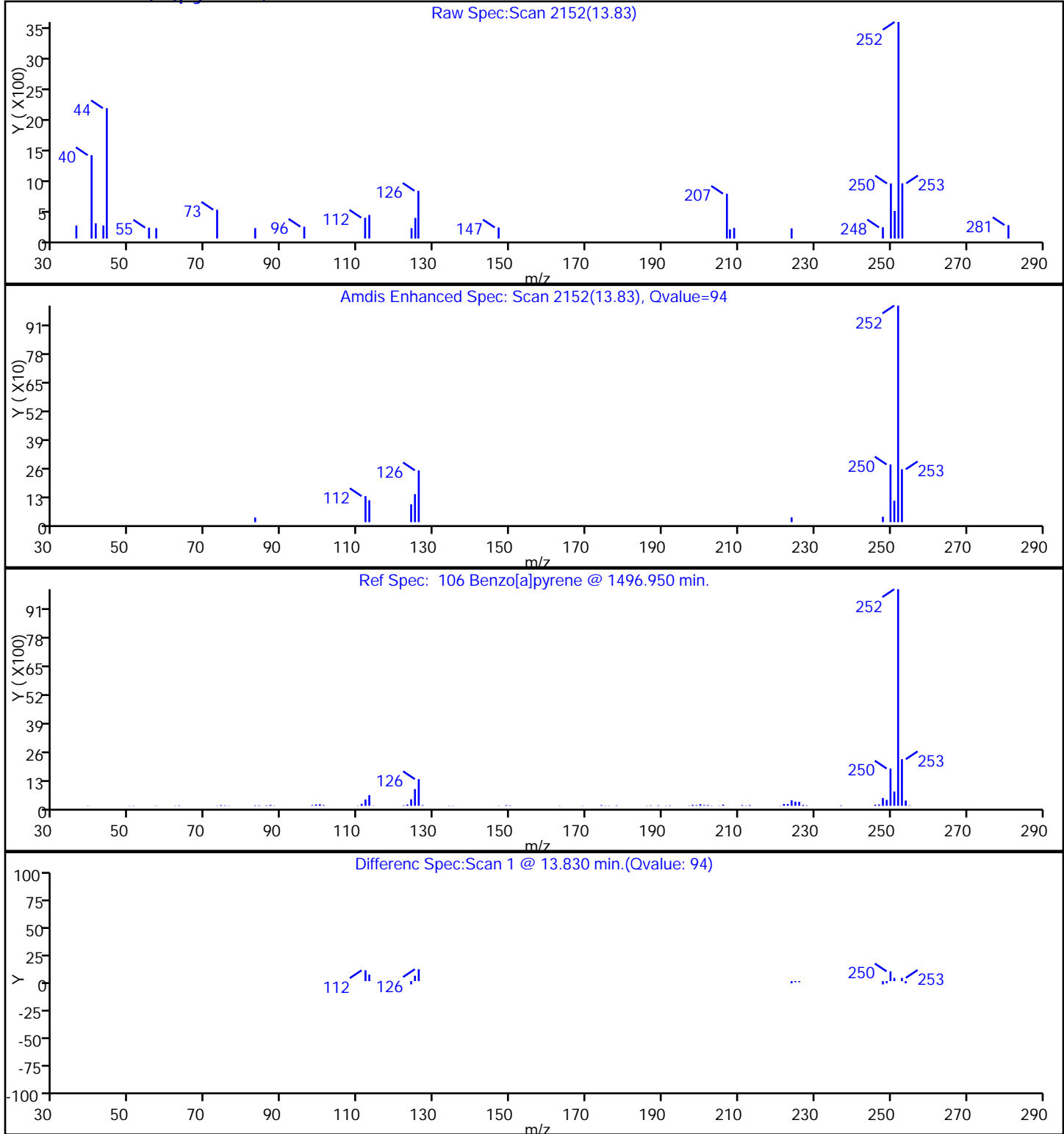
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

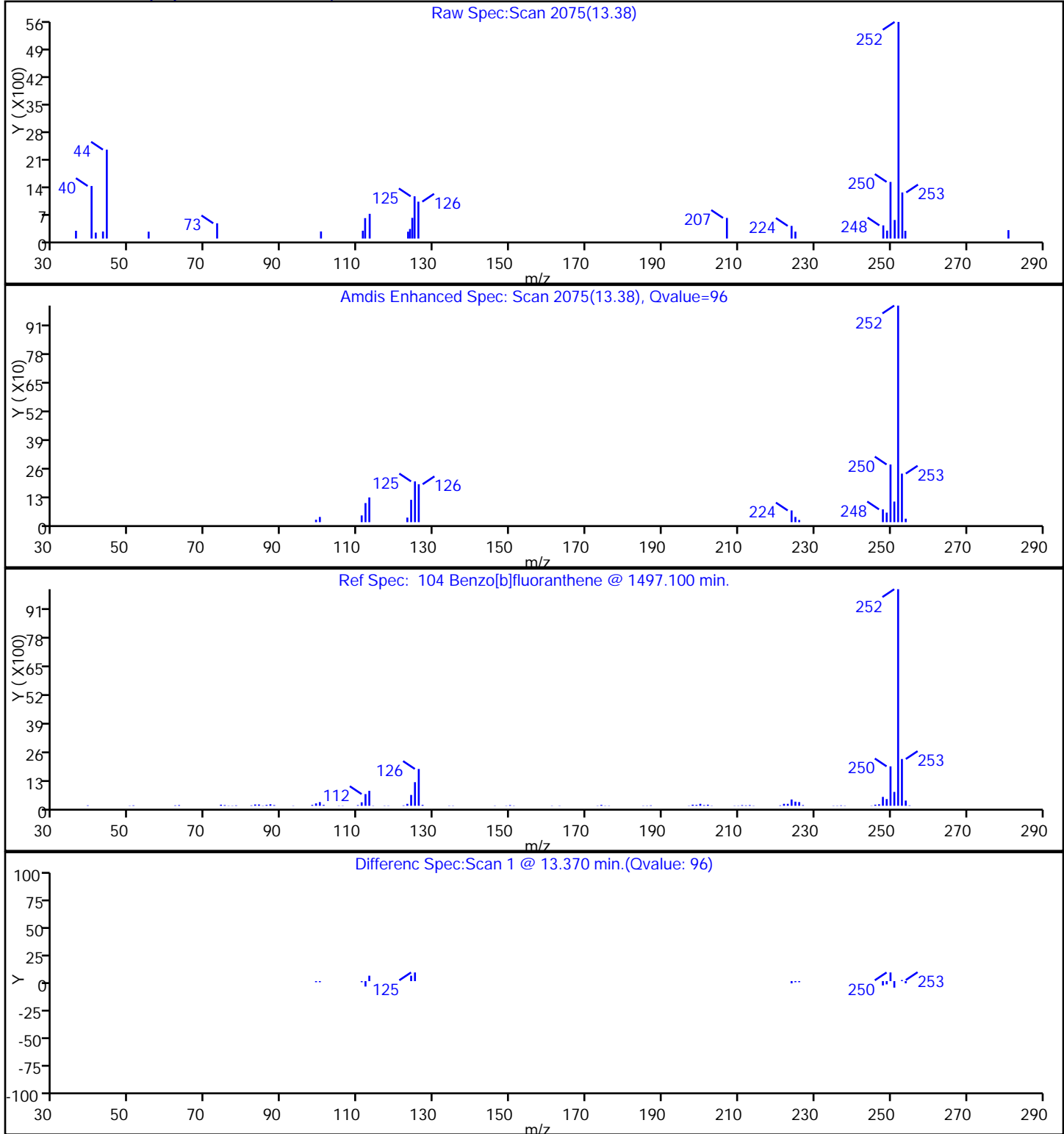
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

104 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

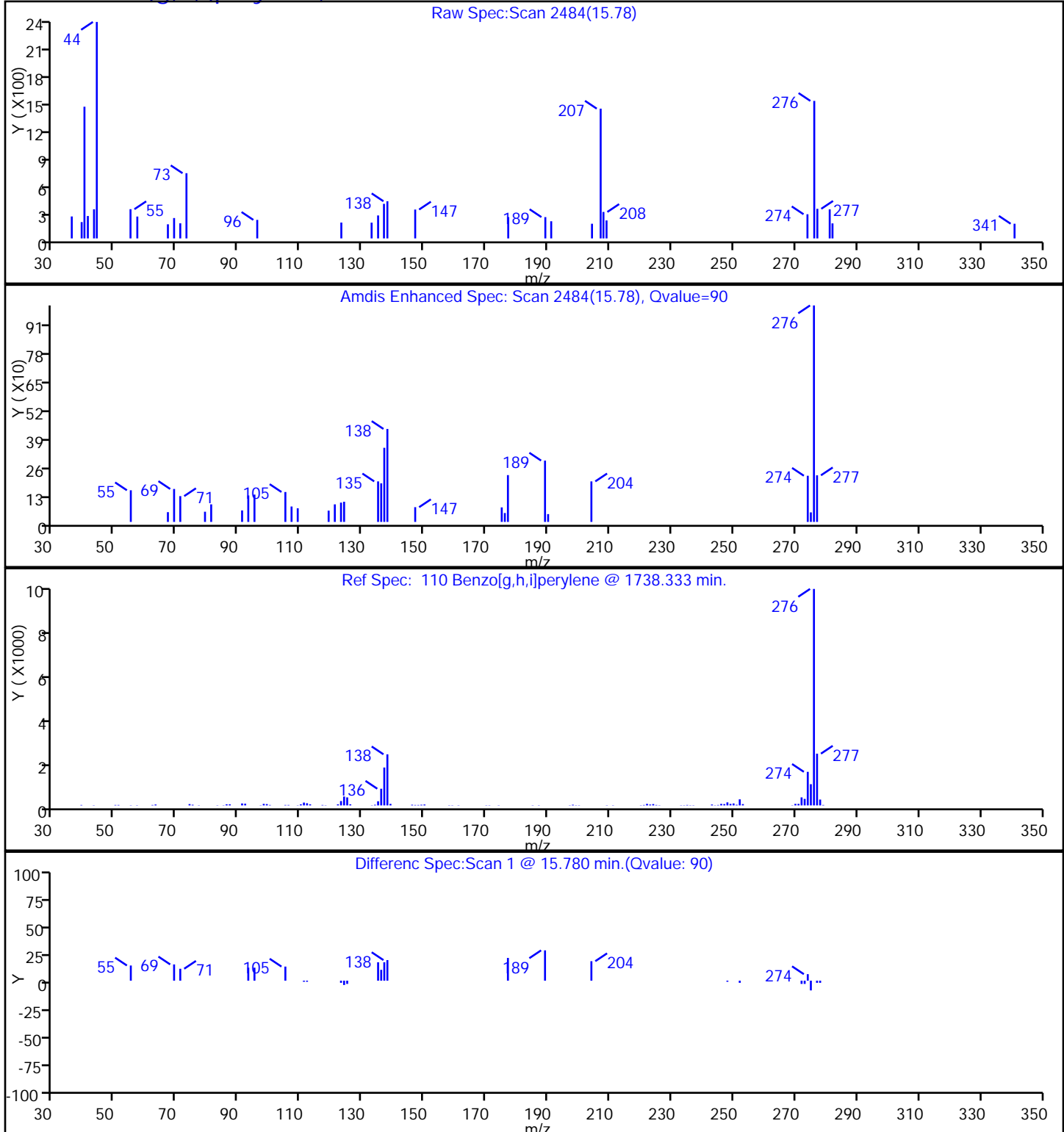
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Benzo[g,h,i]perylene, CAS: 191-24-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

Limit Group:

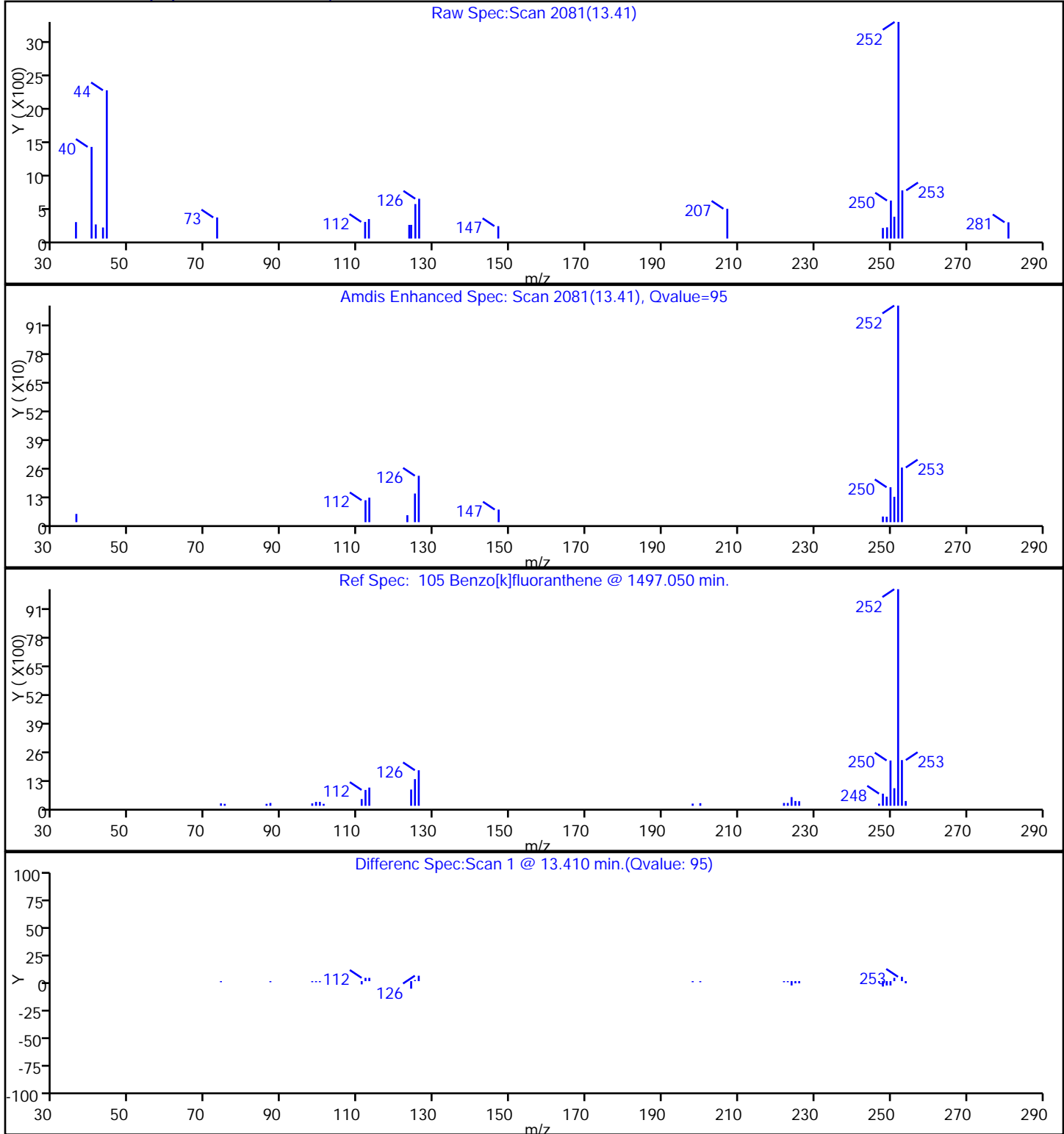
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

105 Benzo[k]fluoranthene, CAS: 207-08-9



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

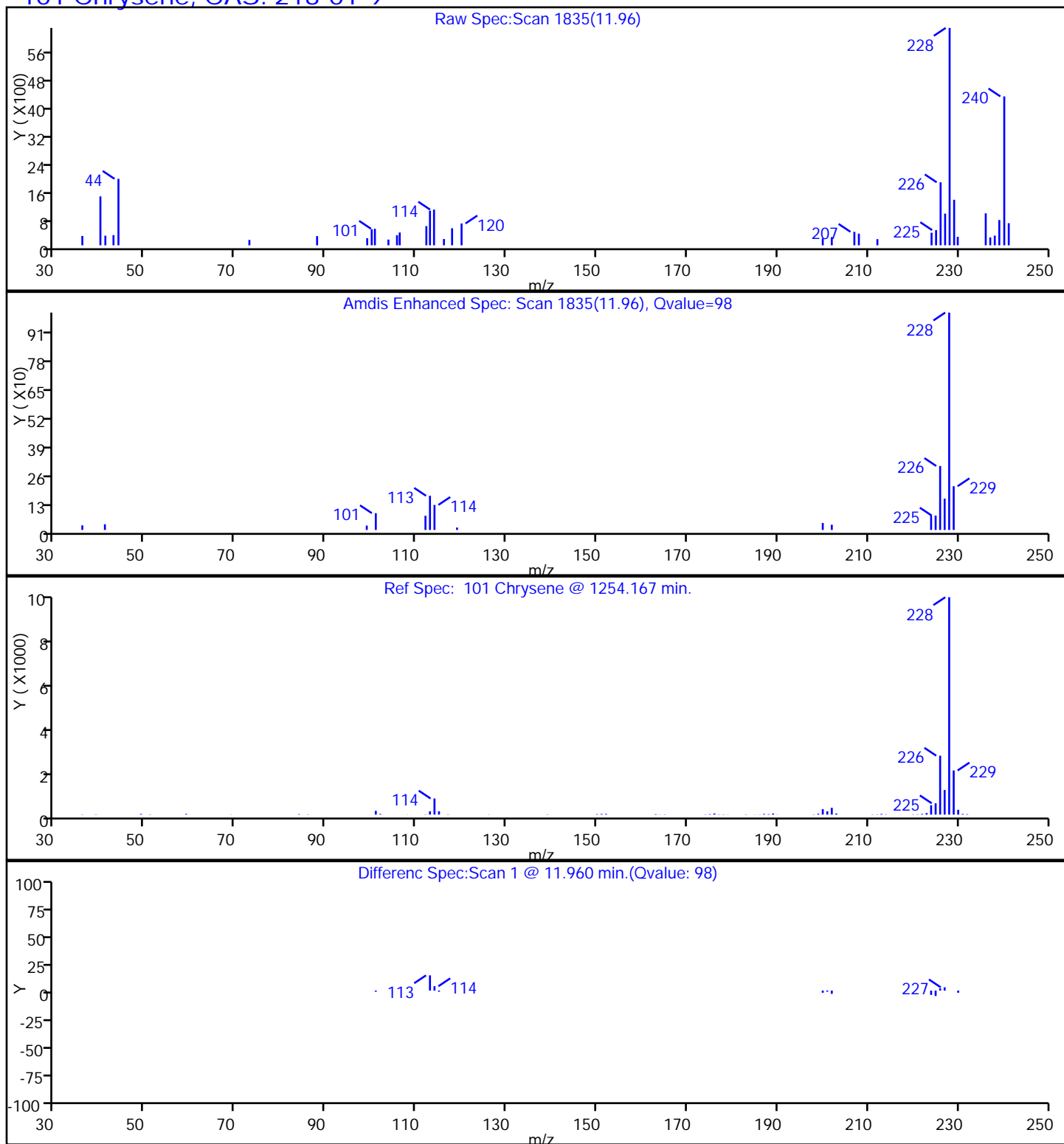
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

Limit Group:

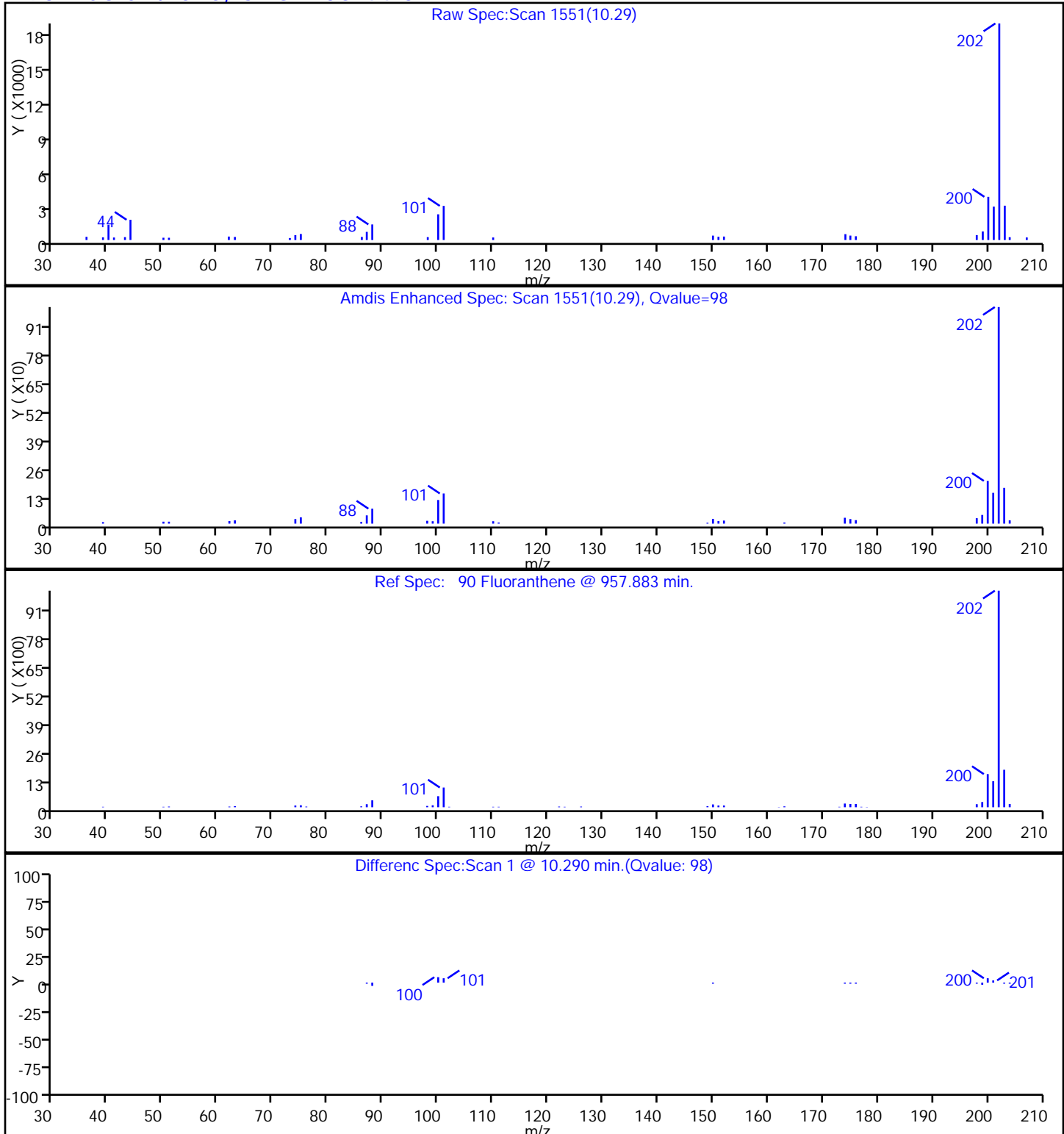
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

90 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39729.b\\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

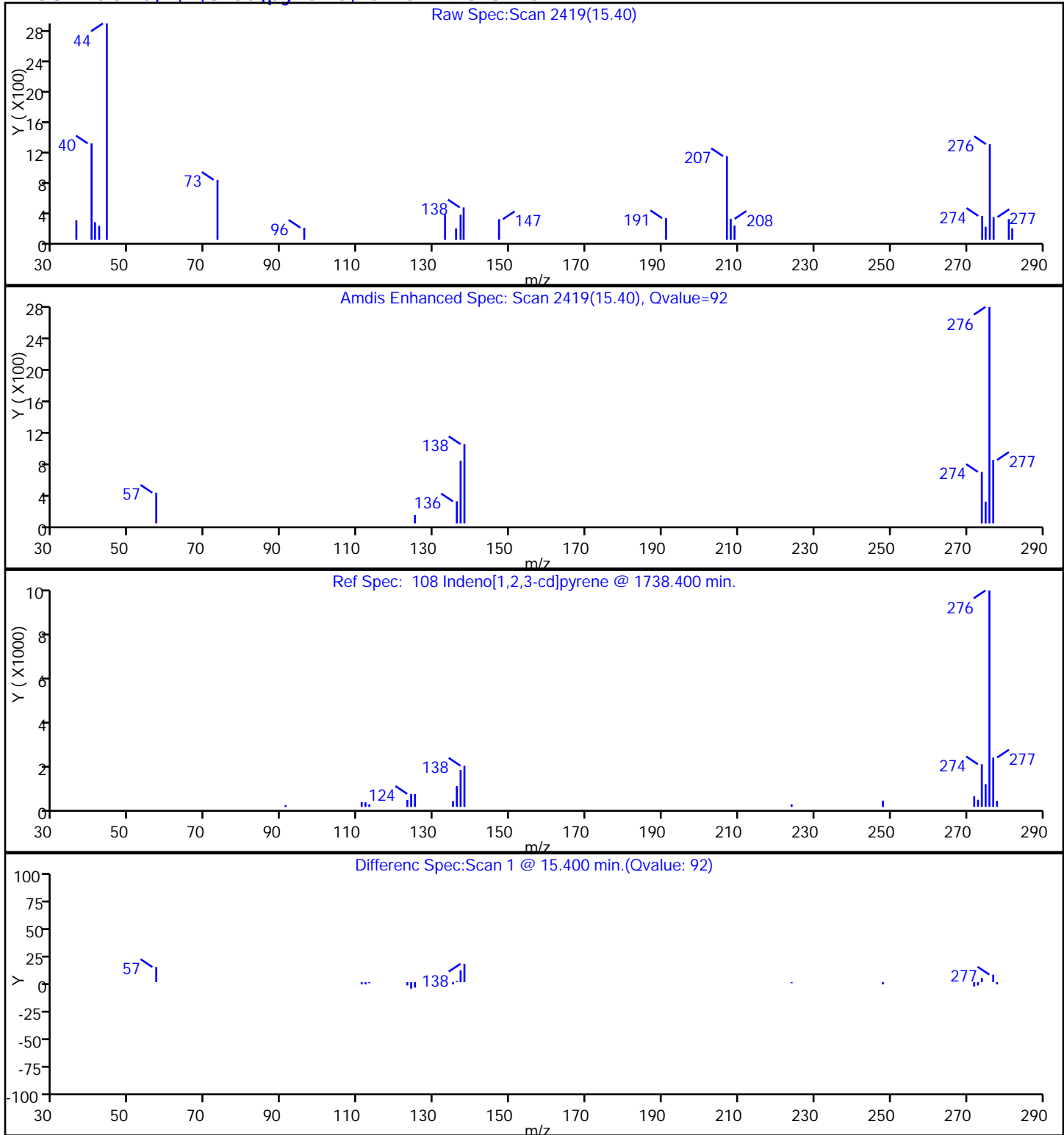
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

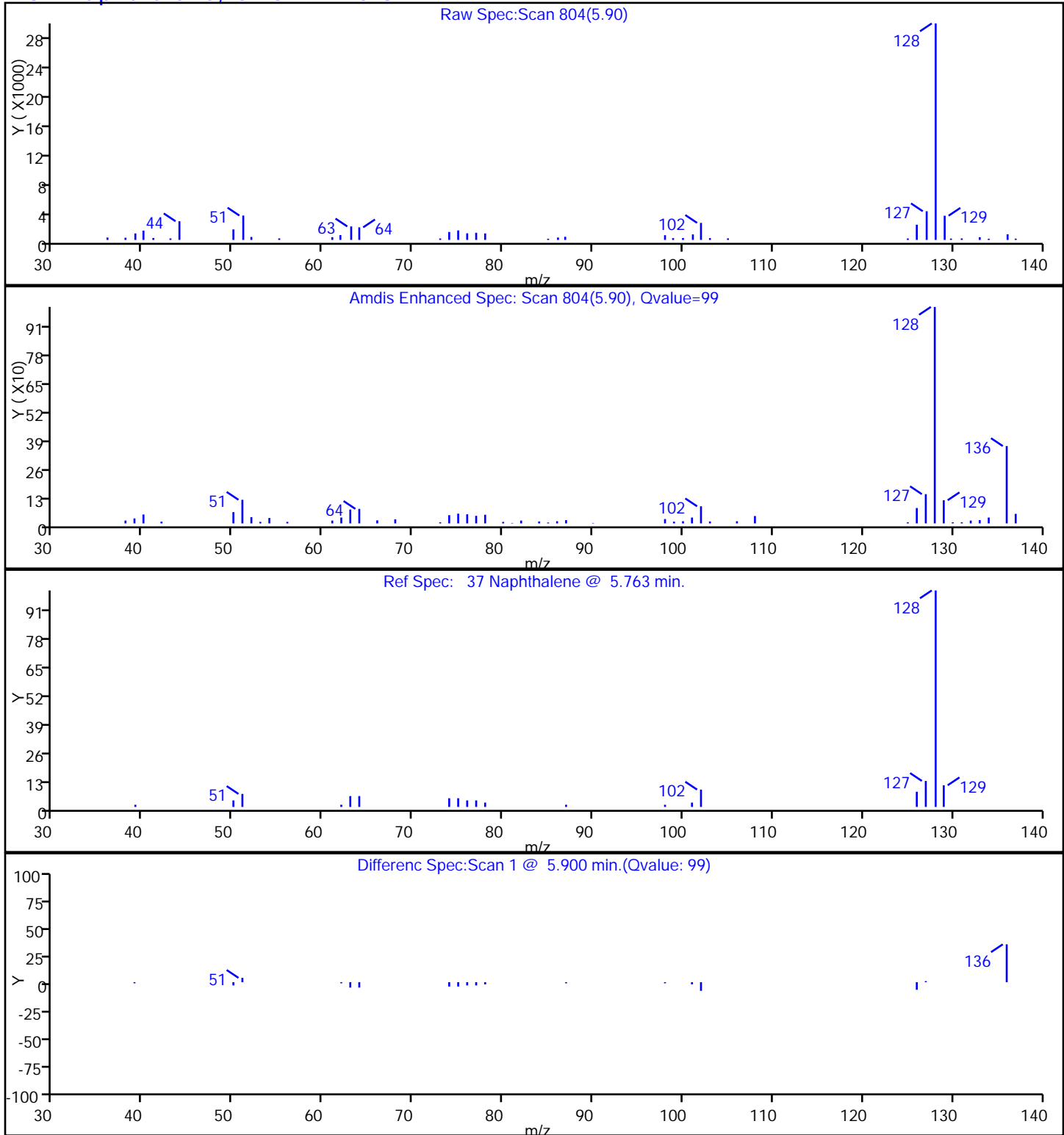
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

37 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#:

10

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

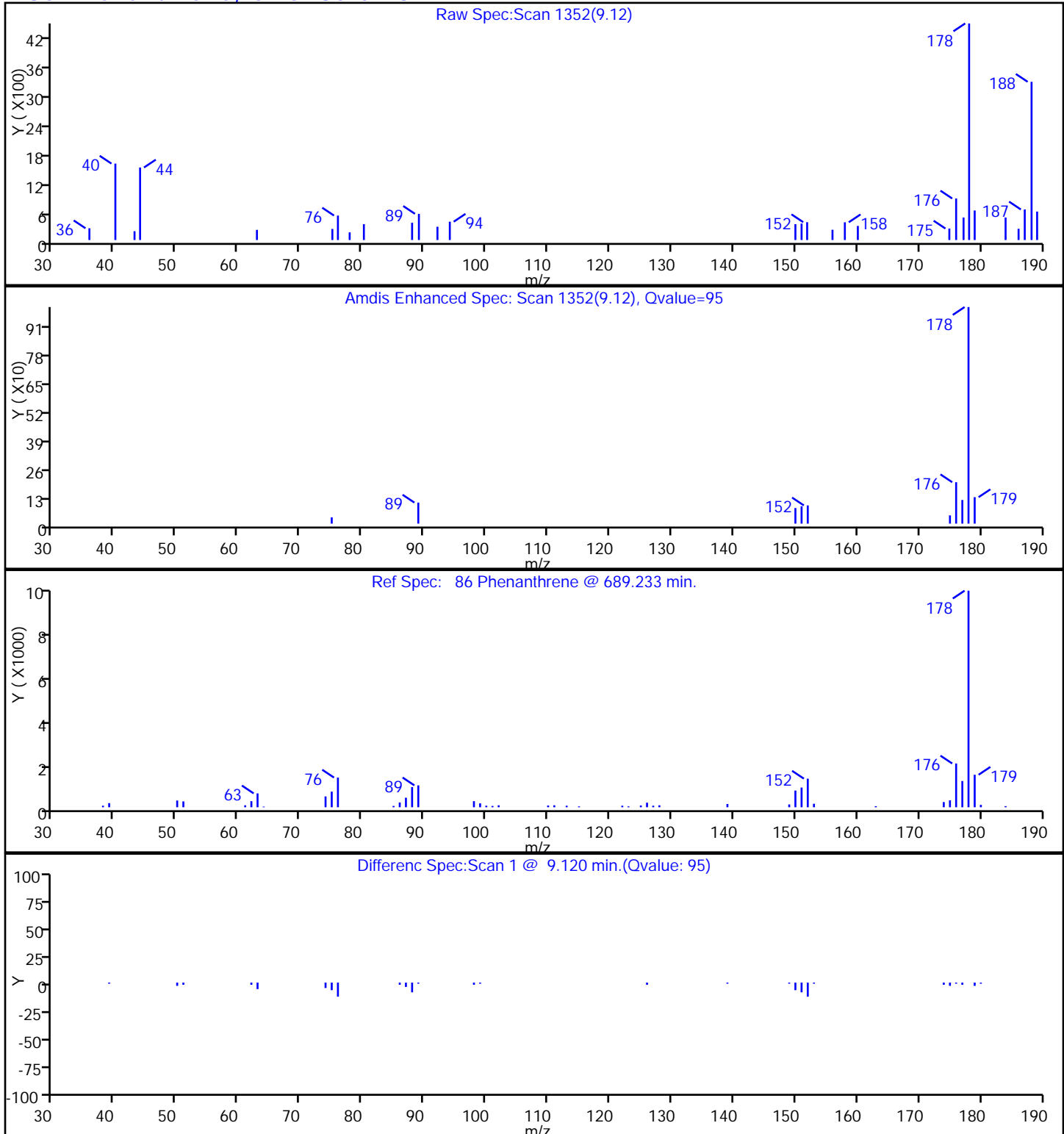
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

86 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132518.D

Injection Date: 11-Apr-2016 23:35:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-1-D

Lab Sample ID: 460-111850-1

Client ID: A4

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

Limit Group:

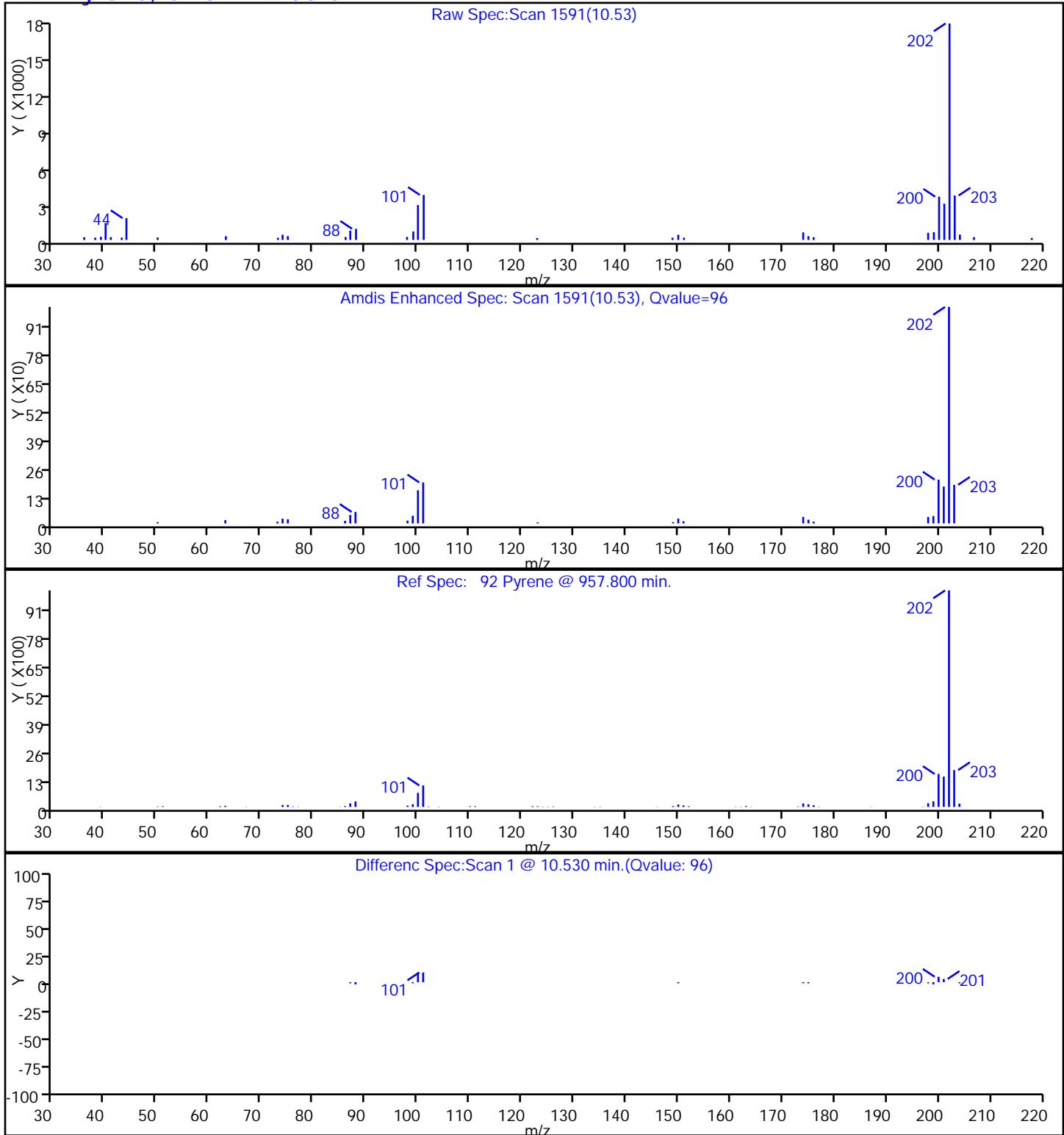
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>A5</u> | Lab Sample ID: <u>460-111850-2</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132519.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 14:00</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:05</u> |
| Sample wt/vol: <u>15.0065(g)</u> | Date Analyzed: <u>04/12/2016 00:01</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>10.5</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 370 | U | 370 | 32 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 370 | U | 370 | 27 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 370 | U | 370 | 15 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 370 | U | 370 | 35 |
| 95-95-4 | 2,4,5-Trichlorophenol | 370 | U | 370 | 37 |
| 88-06-2 | 2,4,6-Trichlorophenol | 150 | U | 150 | 11 |
| 120-83-2 | 2,4-Dichlorophenol | 150 | U | 150 | 8.7 |
| 105-67-9 | 2,4-Dimethylphenol | 370 | U | 370 | 81 |
| 51-28-5 | 2,4-Dinitrophenol | 300 | U | 300 | 280 |
| 121-14-2 | 2,4-Dinitrotoluene | 75 | U | 75 | 15 |
| 606-20-2 | 2,6-Dinitrotoluene | 75 | U | 75 | 20 |
| 91-58-7 | 2-Chloronaphthalene | 370 | U | 370 | 8.4 |
| 95-57-8 | 2-Chlorophenol | 370 | U | 370 | 9.4 |
| 91-57-6 | 2-Methylnaphthalene | 69 | J | 370 | 8.2 |
| 95-48-7 | 2-Methylphenol | 370 | U | 370 | 16 |
| 88-74-4 | 2-Nitroaniline | 370 | U | 370 | 12 |
| 88-75-5 | 2-Nitrophenol | 370 | U | 370 | 12 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 150 | U | 150 | 41 |
| 99-09-2 | 3-Nitroaniline | 370 | U | 370 | 11 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 300 | U | 300 | 99 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 370 | U | 370 | 12 |
| 59-50-7 | 4-Chloro-3-methylphenol | 370 | U | 370 | 16 |
| 106-47-8 | 4-Chloroaniline | 370 | U | 370 | 9.5 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 370 | U | 370 | 11 |
| 106-44-5 | 4-Methylphenol | 370 | U | 370 | 10 |
| 100-01-6 | 4-Nitroaniline | 370 | U | 370 | 14 |
| 100-02-7 | 4-Nitrophenol | 750 | U | 750 | 180 |
| 83-32-9 | Acenaphthene | 370 | U | 370 | 8.9 |
| 208-96-8 | Acenaphthylene | 370 | U | 370 | 9.5 |
| 98-86-2 | Acetophenone | 370 | U | 370 | 8.0 |
| 120-12-7 | Anthracene | 370 | U | 370 | 35 |
| 1912-24-9 | Atrazine | 150 | U | 150 | 16 |
| 100-52-7 | Benzaldehyde | 370 | U | 370 | 28 |
| 56-55-3 | Benzo[a]anthracene | 38 | | 37 | 31 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>A5</u> | Lab Sample ID: <u>460-111850-2</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132519.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 14:00</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:05</u> |
| Sample wt/vol: <u>15.0065(g)</u> | Date Analyzed: <u>04/12/2016 00:01</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>10.5</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|-----|-----|-----|
| 50-32-8 | Benzo[a]pyrene | 32 | J | 37 | 11 |
| 205-99-2 | Benzo[b]fluoranthene | 48 | | 37 | 14 |
| 191-24-2 | Benzo[g,h,i]perylene | 370 | U | 370 | 21 |
| 207-08-9 | Benzo[k]fluoranthene | 37 | U | 37 | 16 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 370 | U | 370 | 12 |
| 111-44-4 | Bis(2-chloroethyl)ether | 37 | U | 37 | 8.7 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 370 | U | 370 | 14 |
| 85-68-7 | Butyl benzyl phthalate | 370 | U | 370 | 11 |
| 105-60-2 | Caprolactam | 370 | U | 370 | 27 |
| 86-74-8 | Carbazole | 370 | U | 370 | 9.2 |
| 218-01-9 | Chrysene | 39 | J | 370 | 10 |
| 53-70-3 | Dibenz(a,h)anthracene | 37 | U | 37 | 19 |
| 132-64-9 | Dibenzofuran | 15 | J | 370 | 11 |
| 84-66-2 | Diethyl phthalate | 370 | U | 370 | 11 |
| 131-11-3 | Dimethyl phthalate | 370 | U | 370 | 11 |
| 84-74-2 | Di-n-butyl phthalate | 370 | U | 370 | 11 |
| 117-84-0 | Di-n-octyl phthalate | 370 | U | 370 | 19 |
| 206-44-0 | Fluoranthene | 61 | J | 370 | 11 |
| 86-73-7 | Fluorene | 10 | J | 370 | 8.0 |
| 118-74-1 | Hexachlorobenzene | 37 | U | 37 | 15 |
| 87-68-3 | Hexachlorobutadiene | 75 | U | 75 | 10 |
| 77-47-4 | Hexachlorocyclopentadiene | 370 | U * | 370 | 23 |
| 67-72-1 | Hexachloroethane | 37 | U | 37 | 14 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 37 | U | 37 | 25 |
| 78-59-1 | Isophorone | 150 | U | 150 | 7.9 |
| 91-20-3 | Naphthalene | 85 | J | 370 | 9.4 |
| 98-95-3 | Nitrobenzene | 37 | U | 37 | 12 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 37 | U | 37 | 12 |
| 86-30-6 | N-Nitrosodiphenylamine | 370 | U | 370 | 34 |
| 87-86-5 | Pentachlorophenol | 300 | U | 300 | 45 |
| 85-01-8 | Phenanthrene | 40 | J | 370 | 9.8 |
| 108-95-2 | Phenol | 370 | U | 370 | 12 |
| 129-00-0 | Pyrene | 61 | J | 370 | 17 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>A5</u> | Lab Sample ID: <u>460-111850-2</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132519.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 14:00</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:05</u> |
| Sample wt/vol: <u>15.0065(g)</u> | Date Analyzed: <u>04/12/2016 00:01</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>10.5</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 71 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 87 | * | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 78 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 84 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 82 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 99 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132519.D
 Lims ID: 460-111850-A-2-B Lab Sample ID: 460-111850-2
 Client ID: A5
 Sample Type: Client
 Inject. Date: 12-Apr-2016 00:01:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039729-011
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:44:52 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: zhaoc

Date: 12-Apr-2016 09:01:42

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|-----------|---------------|---------------|----|----------|-----------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.317 | 3.294 | 0.023 | 95 | 266185 | 38.8 | |
| \$ 6 Phenol-d5 | 99 | 4.211 | 4.211 | 0.000 | 86 | 339345 | 40.8 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.599 | 4.594 | 0.005 | 97 | 201547 | 40.0 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.146 | 5.152 | -0.006 | 92 | 303163 | 41.9 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 755901 | 40.0 | |
| 37 Naphthalene | 128 | 5.899 | 5.899 | 0.000 | 97 | 22205 | 1.14 | |
| 42 2-Methylnaphthalene | 142 | 6.593 | 6.593 | 0.000 | 85 | 11973 | 0.9276 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.958 | 6.964 | -0.006 | 98 | 580618 | 43.5 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.635 | -0.001 | 93 | 373830 | 40.0 | |
| 69 Dibenzofuran | 168 | 7.834 | 7.840 | -0.006 | 94 | 2954 | 0.1958 | |
| 74 Fluorene | 166 | 8.170 | 8.176 | -0.006 | 90 | 1664 | 0.1383 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.411 | 8.417 | -0.006 | 94 | 55092 | 35.3 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 555203 | 40.0 | |
| 86 Phenanthrene | 178 | 9.123 | 9.129 | -0.006 | 95 | 8524 | 0.5305 | |
| 90 Fluoranthene | 202 | 10.293 | 10.299 | -0.006 | 97 | 12039 | 0.8212 | |
| 92 Pyrene | 202 | 10.528 | 10.534 | -0.006 | 97 | 11474 | 0.8206 | |
| \$ 94 Terphenyl-d14 | 244 | 10.693 | 10.693 | 0.000 | 99 | 472960 | 49.6 | |
| 99 Benzo[a]anthracene | 228 | 11.922 | 11.923 | 0.000 | 97 | 5851 | 0.5044 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.934 | 0.000 | 98 | 381434 | 40.0 | |
| 101 Chrysene | 228 | 11.964 | 11.975 | -0.011 | 98 | 5511 | 0.5268 | |
| 104 Benzo[b]fluoranthene | 252 | 13.375 | 13.381 | -0.006 | 96 | 5319 | 0.6413 | |
| 106 Benzo[a]pyrene | 252 | 13.828 | 13.840 | -0.012 | 93 | 3344 | 0.4278 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.916 | 0.000 | 96 | 285464 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.393 | 15.411 | -0.018 | 94 | 1904 | 0.2708 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.781 | 15.799 | -0.018 | 90 | 1908 | 0.2546 | |

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39729.b\\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Worklist Smp#: 11

Client ID: A5

Injection Vol: 1.0 ul

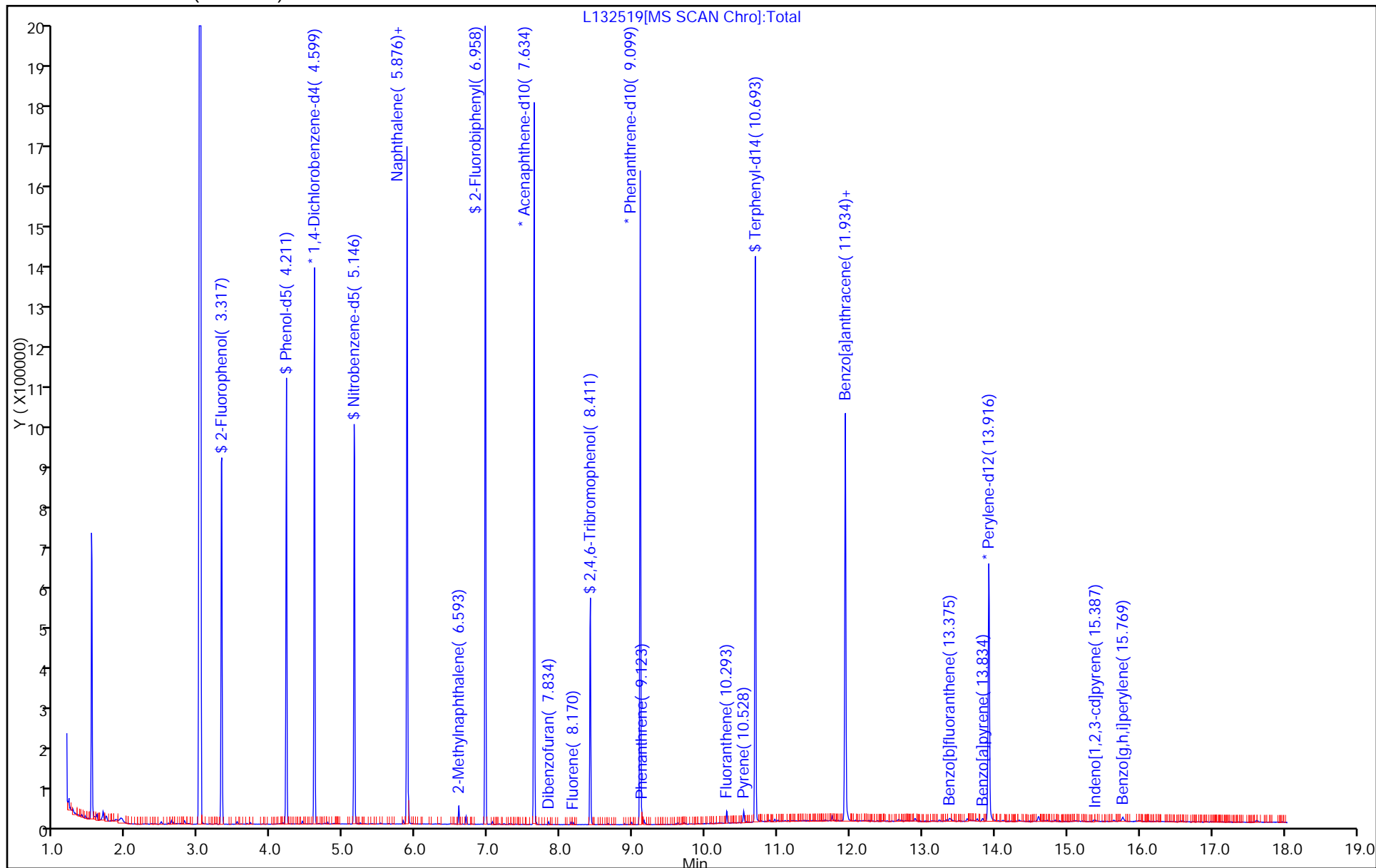
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#:

Worklist Smp#: 11

Injection Vol: 1.0 ul

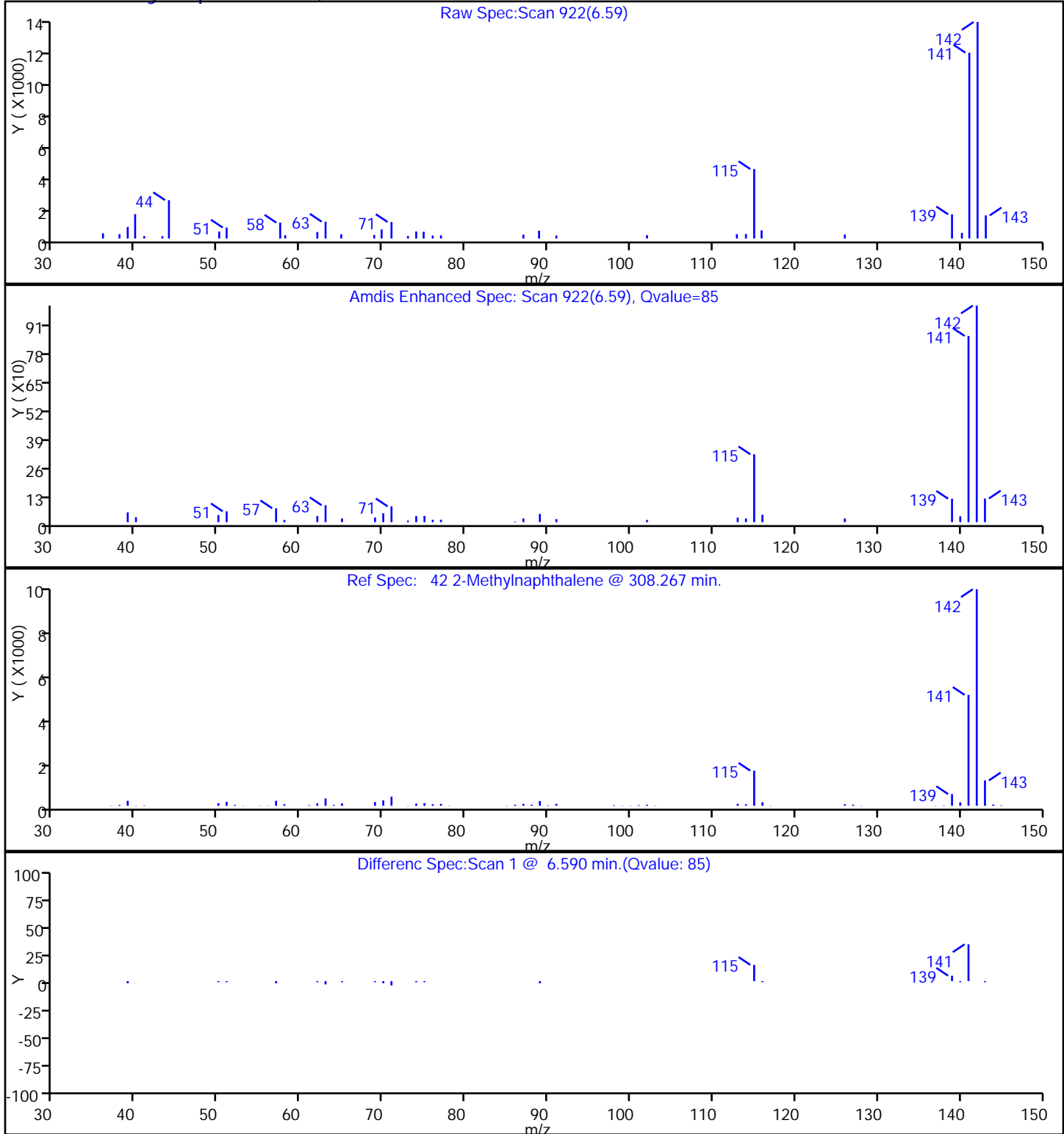
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

42 2-Methylnaphthalene, CAS: 91-57-6

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

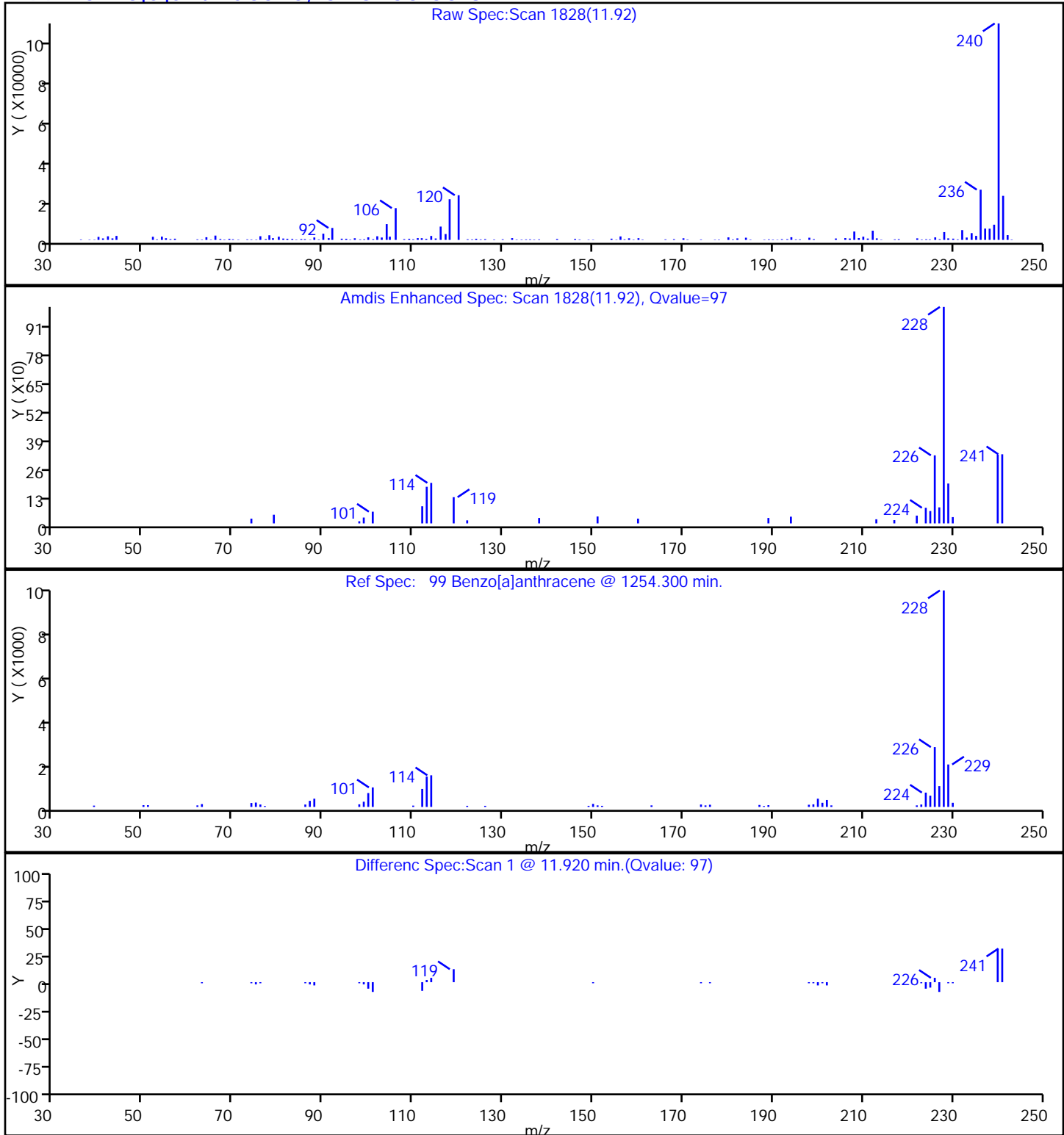
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

99 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

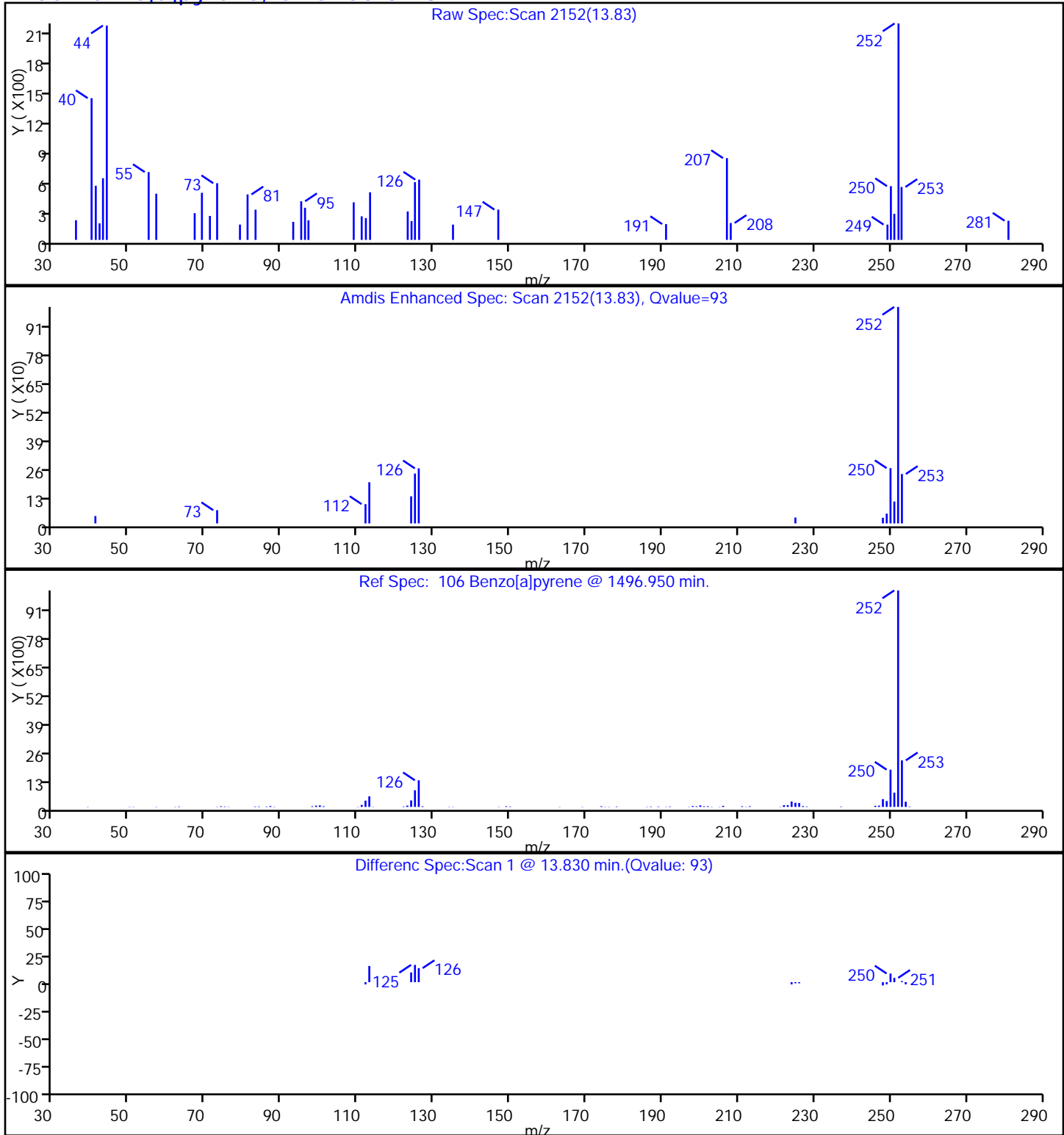
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39729.b\\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

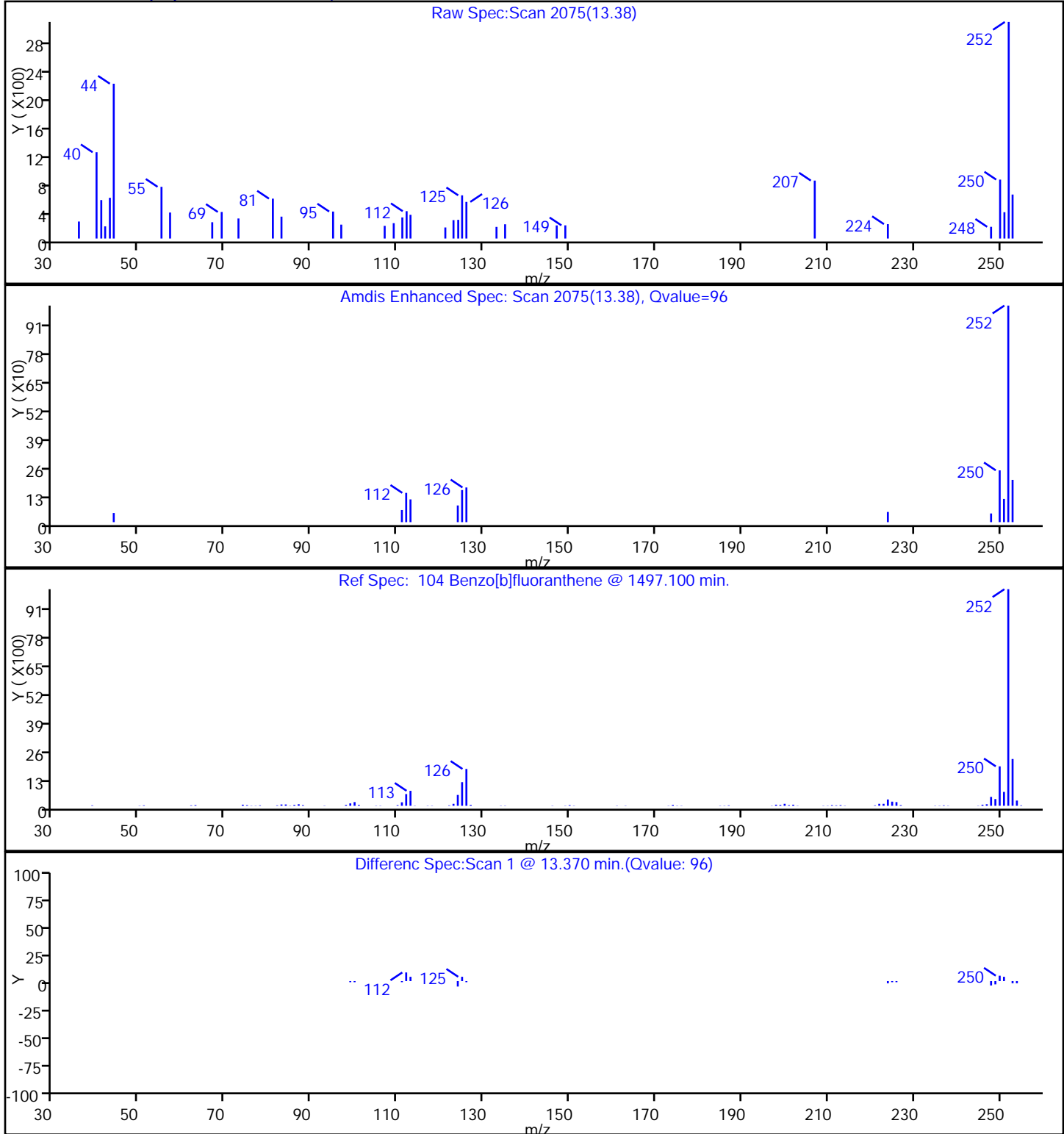
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

104 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul

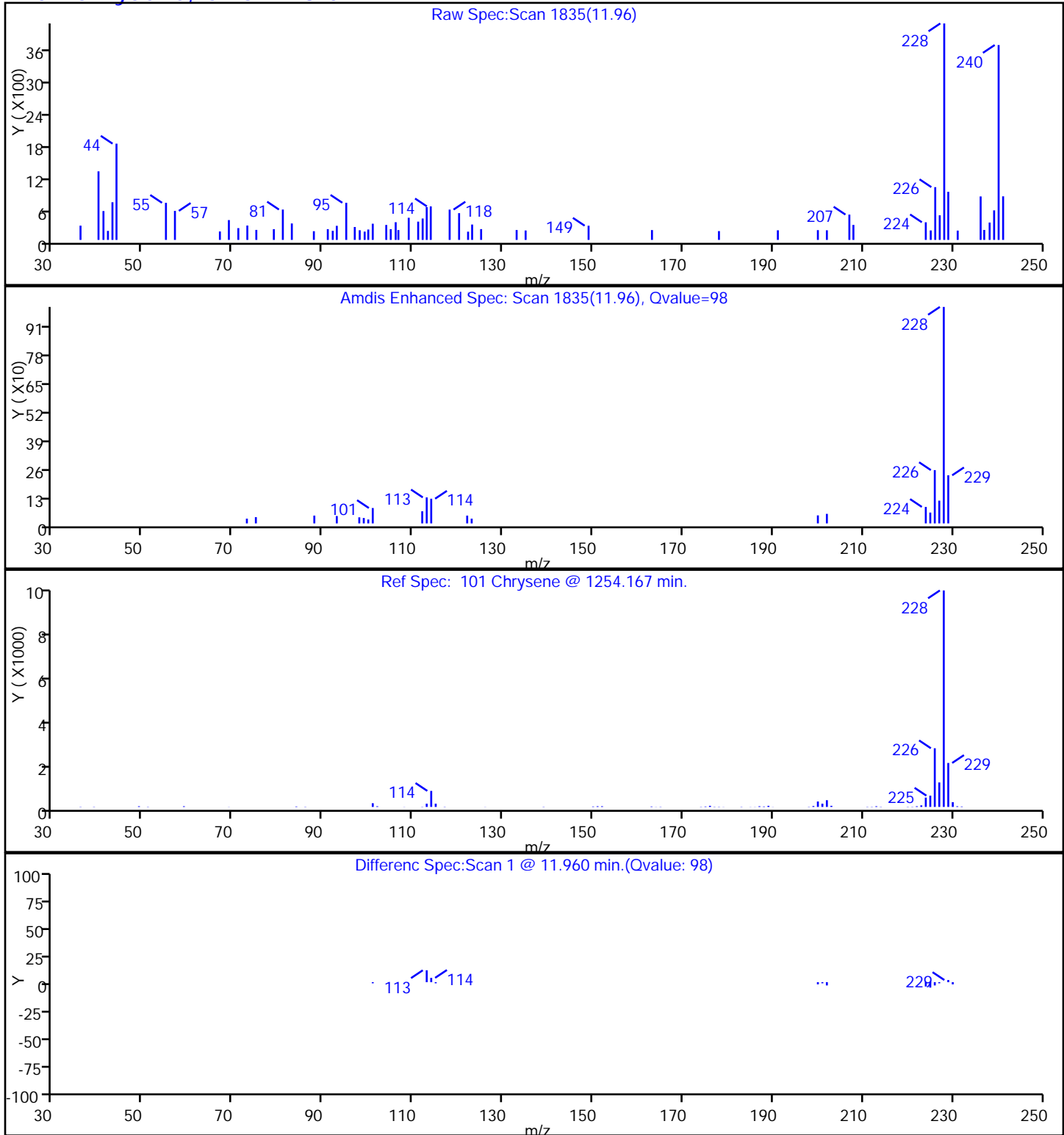
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

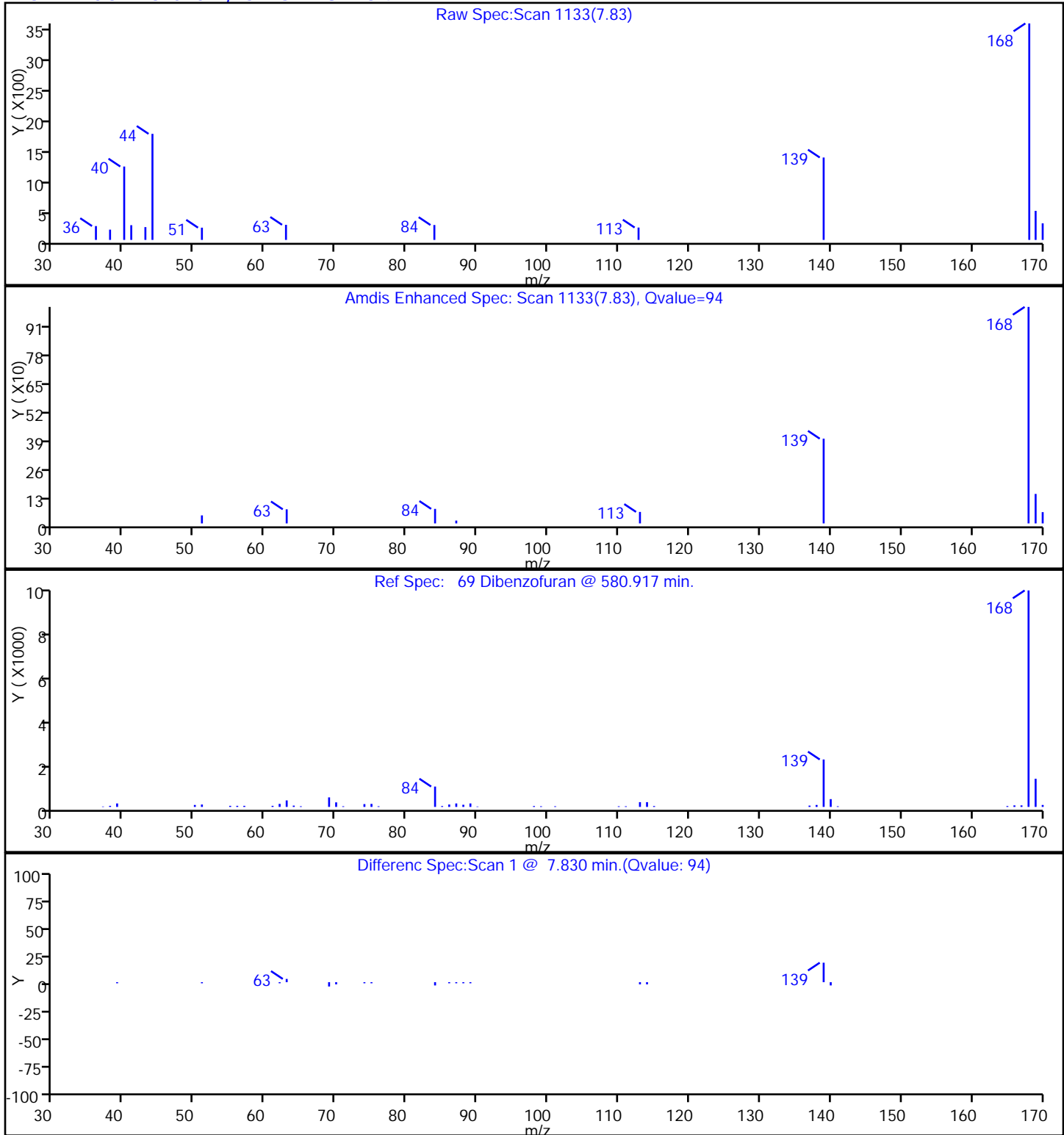
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

69 Dibenzofuran, CAS: 132-64-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

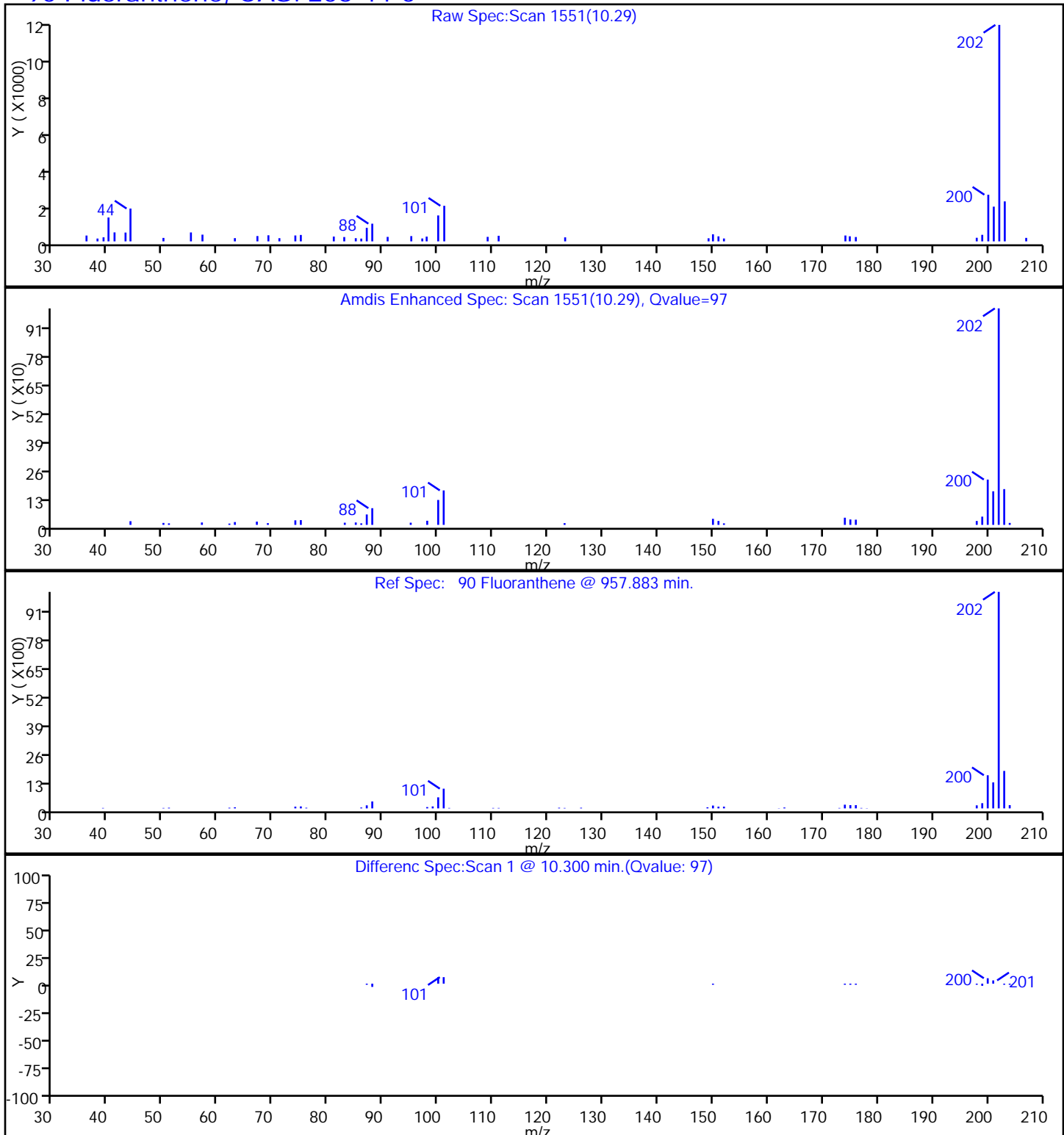
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

90 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39729.b\\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

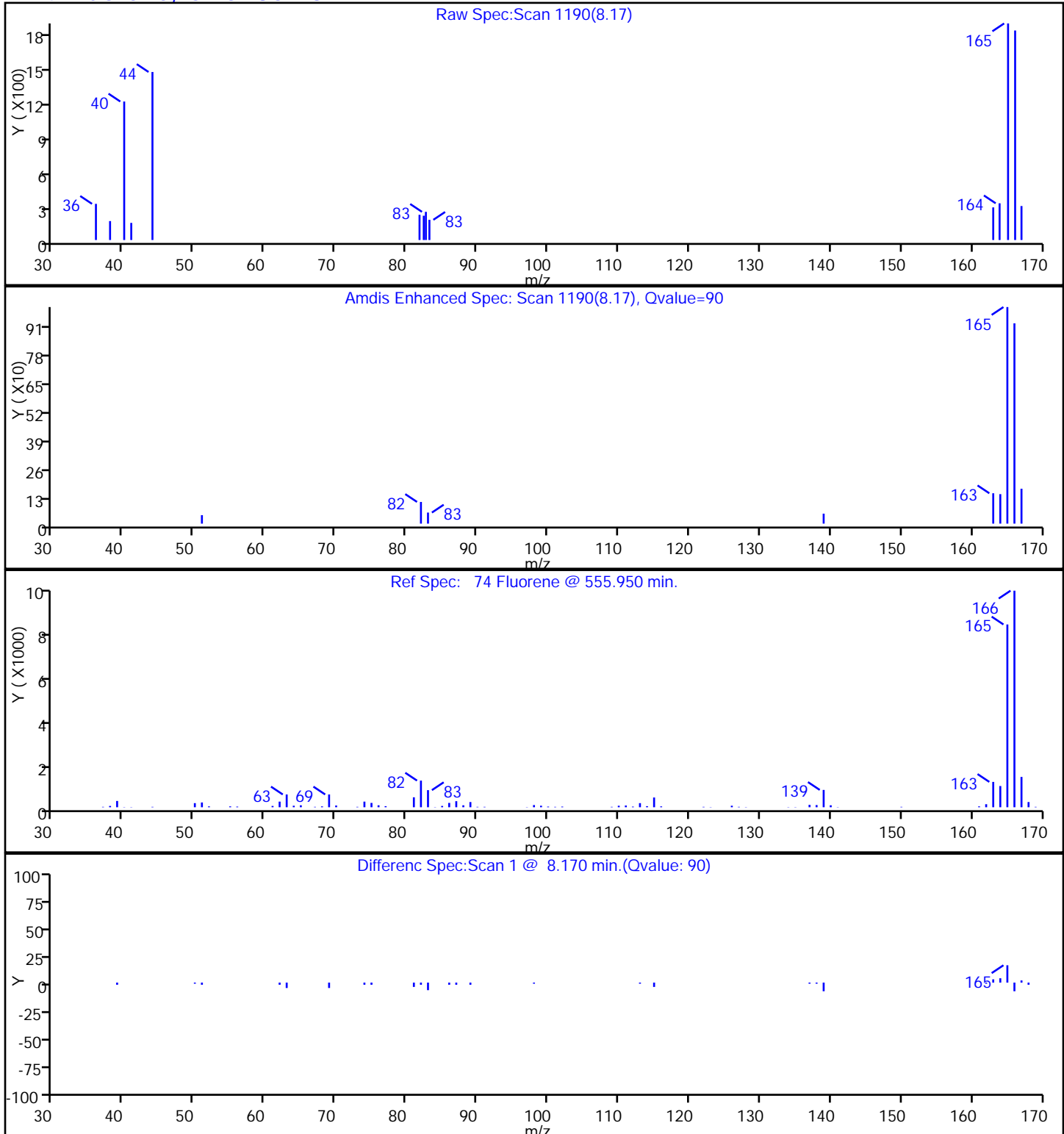
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

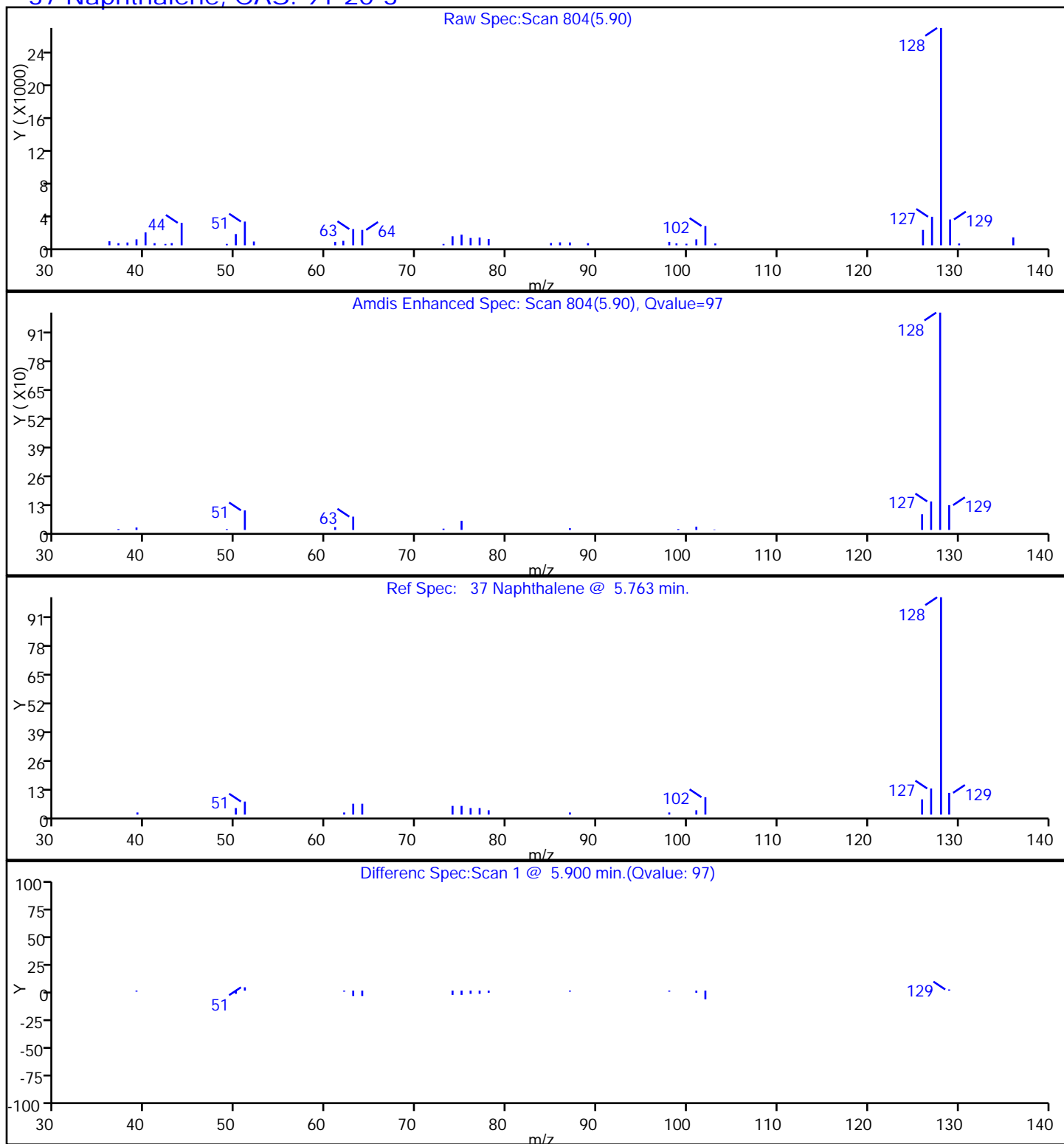
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

37 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

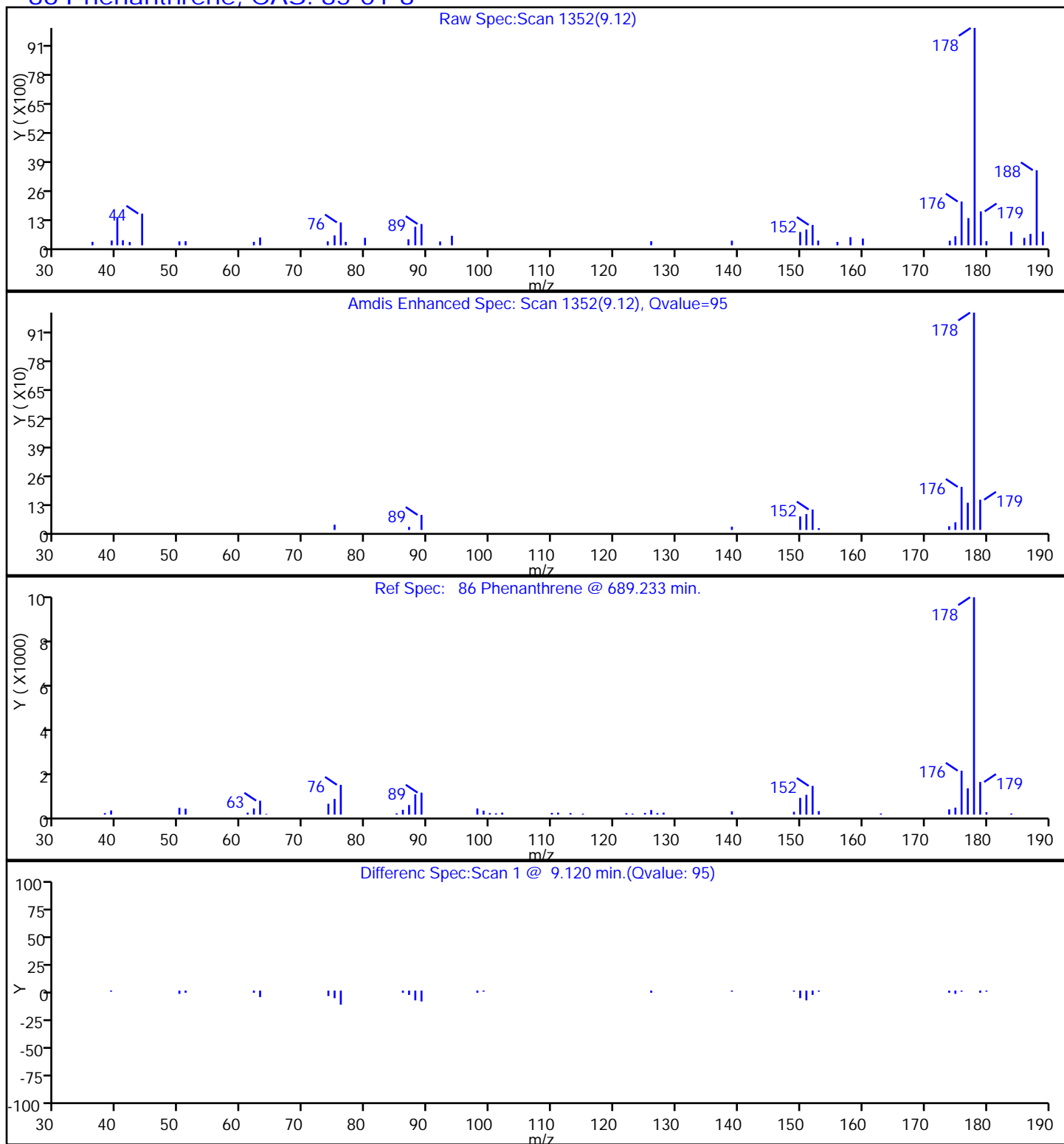
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

86 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132519.D

Injection Date: 12-Apr-2016 00:01:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-2-B

Lab Sample ID: 460-111850-2

Client ID: A5

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

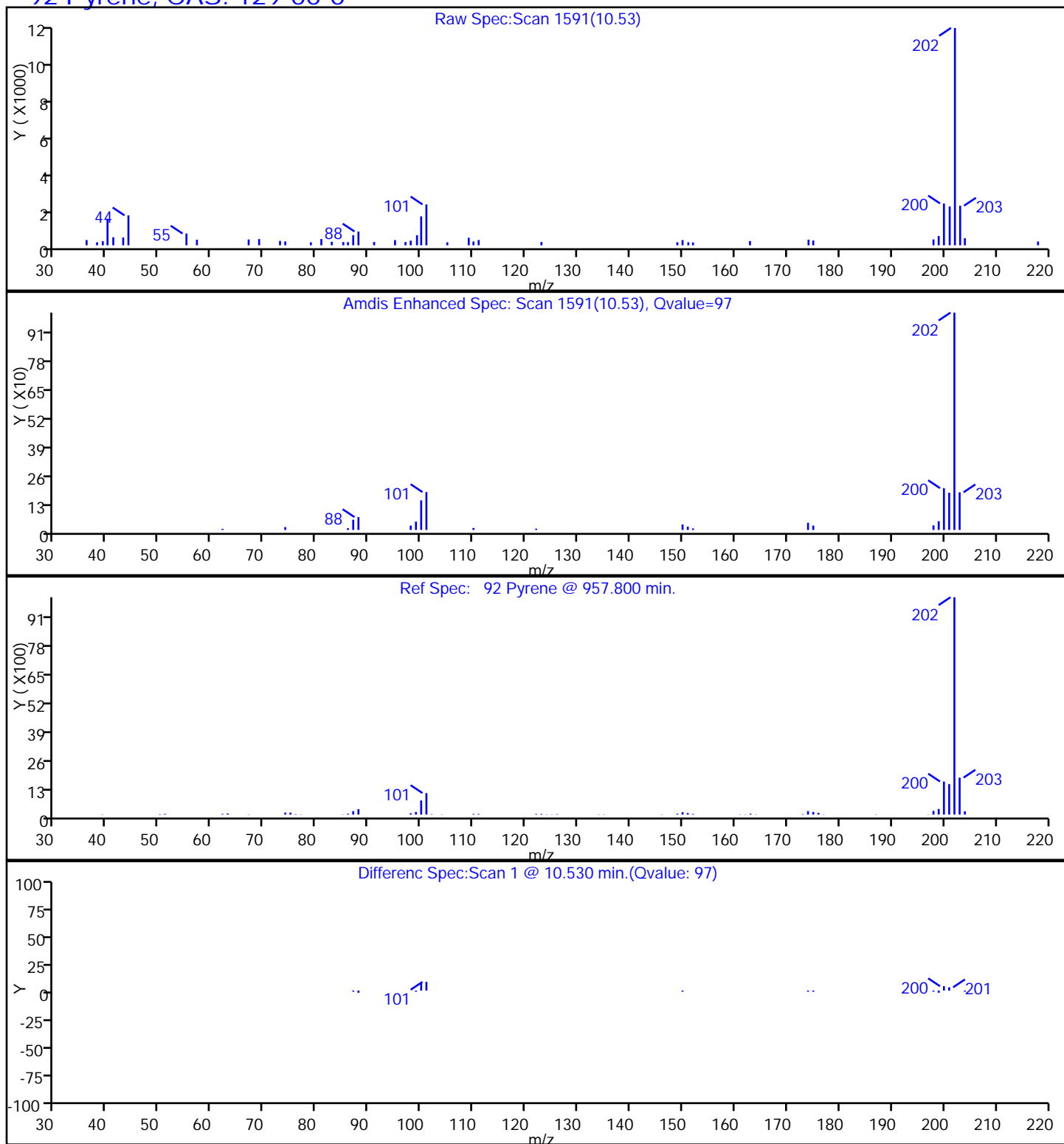
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>B4</u> | Lab Sample ID: <u>460-111850-3</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132583.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 13:25</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0253(g)</u> | Date Analyzed: <u>04/13/2016 11:44</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>6.2</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 350 | U | 350 | 30 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 350 | U | 350 | 26 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 350 | U | 350 | 14 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 350 | U | 350 | 33 |
| 95-95-4 | 2,4,5-Trichlorophenol | 350 | U | 350 | 35 |
| 88-06-2 | 2,4,6-Trichlorophenol | 140 | U | 140 | 10 |
| 120-83-2 | 2,4-Dichlorophenol | 140 | U | 140 | 8.3 |
| 105-67-9 | 2,4-Dimethylphenol | 350 | U | 350 | 77 |
| 51-28-5 | 2,4-Dinitrophenol | 280 | U | 280 | 270 |
| 121-14-2 | 2,4-Dinitrotoluene | 71 | U | 71 | 14 |
| 606-20-2 | 2,6-Dinitrotoluene | 71 | U | 71 | 19 |
| 91-58-7 | 2-Chloronaphthalene | 350 | U | 350 | 8.0 |
| 95-57-8 | 2-Chlorophenol | 350 | U | 350 | 8.9 |
| 91-57-6 | 2-Methylnaphthalene | 8.1 | J | 350 | 7.8 |
| 95-48-7 | 2-Methylphenol | 350 | U | 350 | 15 |
| 88-74-4 | 2-Nitroaniline | 350 | U | 350 | 12 |
| 88-75-5 | 2-Nitrophenol | 350 | U | 350 | 12 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 140 | U | 140 | 39 |
| 99-09-2 | 3-Nitroaniline | 350 | U | 350 | 10 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 280 | U | 280 | 94 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 350 | U | 350 | 11 |
| 59-50-7 | 4-Chloro-3-methylphenol | 350 | U | 350 | 15 |
| 106-47-8 | 4-Chloroaniline | 350 | U | 350 | 9.0 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 350 | U | 350 | 11 |
| 106-44-5 | 4-Methylphenol | 350 | U | 350 | 9.6 |
| 100-01-6 | 4-Nitroaniline | 350 | U | 350 | 13 |
| 100-02-7 | 4-Nitrophenol | 710 | U | 710 | 170 |
| 83-32-9 | Acenaphthene | 350 | U | 350 | 8.5 |
| 208-96-8 | Acenaphthylene | 350 | U | 350 | 9.0 |
| 98-86-2 | Acetophenone | 350 | U | 350 | 7.7 |
| 120-12-7 | Anthracene | 350 | U | 350 | 33 |
| 1912-24-9 | Atrazine | 140 | U | 140 | 16 |
| 100-52-7 | Benzaldehyde | 350 | U | 350 | 27 |
| 56-55-3 | Benzo[a]anthracene | 100 | | 35 | 29 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>B4</u> | Lab Sample ID: <u>460-111850-3</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132583.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 13:25</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0253(g)</u> | Date Analyzed: <u>04/13/2016 11:44</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>6.2</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|---|-----|-----|
| 50-32-8 | Benzo[a]pyrene | 100 | | 35 | 11 |
| 205-99-2 | Benzo[b]fluoranthene | 130 | | 35 | 14 |
| 191-24-2 | Benzo[g,h,i]perylene | 66 | J | 350 | 20 |
| 207-08-9 | Benzo[k]fluoranthene | 63 | | 35 | 15 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 350 | U | 350 | 11 |
| 111-44-4 | Bis(2-chloroethyl)ether | 35 | U | 35 | 8.3 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 350 | U | 350 | 14 |
| 85-68-7 | Butyl benzyl phthalate | 350 | U | 350 | 11 |
| 105-60-2 | Caprolactam | 350 | U | 350 | 25 |
| 86-74-8 | Carbazole | 350 | U | 350 | 8.7 |
| 218-01-9 | Chrysene | 110 | J | 350 | 9.6 |
| 53-70-3 | Dibenz(a,h)anthracene | 35 | U | 35 | 18 |
| 132-64-9 | Dibenzofuran | 350 | U | 350 | 11 |
| 84-66-2 | Diethyl phthalate | 350 | U | 350 | 10 |
| 131-11-3 | Dimethyl phthalate | 350 | U | 350 | 10 |
| 84-74-2 | Di-n-butyl phthalate | 350 | U | 350 | 11 |
| 117-84-0 | Di-n-octyl phthalate | 350 | U | 350 | 18 |
| 206-44-0 | Fluoranthene | 160 | J | 350 | 10 |
| 86-73-7 | Fluorene | 350 | U | 350 | 7.7 |
| 118-74-1 | Hexachlorobenzene | 35 | U | 35 | 14 |
| 87-68-3 | Hexachlorobutadiene | 71 | U | 71 | 9.9 |
| 77-47-4 | Hexachlorocyclopentadiene | 350 | U | 350 | 22 |
| 67-72-1 | Hexachloroethane | 35 | U | 35 | 13 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 82 | | 35 | 23 |
| 78-59-1 | Isophorone | 140 | U | 140 | 7.6 |
| 91-20-3 | Naphthalene | 16 | J | 350 | 8.9 |
| 98-95-3 | Nitrobenzene | 35 | U | 35 | 11 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 35 | U | 35 | 12 |
| 86-30-6 | N-Nitrosodiphenylamine | 350 | U | 350 | 32 |
| 87-86-5 | Pentachlorophenol | 280 | U | 280 | 43 |
| 85-01-8 | Phenanthrene | 60 | J | 350 | 9.4 |
| 108-95-2 | Phenol | 350 | U | 350 | 11 |
| 129-00-0 | Pyrene | 180 | J | 350 | 16 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>B4</u> | Lab Sample ID: <u>460-111850-3</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132583.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 13:25</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0253(g)</u> | Date Analyzed: <u>04/13/2016 11:44</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>6.2</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 26 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 73 | | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 60 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 69 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 63 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 85 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132583.D
 Lims ID: 460-111850-A-3-F Lab Sample ID: 460-111850-3
 Client ID: B4
 Sample Type: Client
 Inject. Date: 13-Apr-2016 11:44:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-015
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:51:26

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|-----------|---------------|---------------|----|----------|-----------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.205 | 3.182 | 0.023 | 94 | 289551 | 30.1 | |
| \$ 6 Phenol-d5 | 99 | 4.099 | 4.105 | -0.006 | 86 | 368109 | 31.6 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.476 | 4.476 | 0.000 | 98 | 282753 | 40.0 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.029 | 5.035 | -0.006 | 92 | 344620 | 34.7 | |
| * 36 Naphthalene-d8 | 136 | 5.758 | 5.758 | 0.000 | 99 | 1036067 | 40.0 | |
| 37 Naphthalene | 128 | 5.776 | 5.787 | -0.011 | 98 | 5919 | 0.2217 | |
| 42 2-Methylnaphthalene | 142 | 6.470 | 6.482 | -0.012 | 83 | 2029 | 0.1147 | |
| 56 1-Naphthylamine | 143 | 6.840 | 6.769 | 0.071 | 43 | 1087 | NC | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.840 | 6.846 | -0.006 | 98 | 604457 | 36.6 | |
| * 63 Acenaphthene-d10 | 164 | 7.511 | 7.511 | 0.000 | 93 | 462599 | 40.0 | |
| 57 2-Naphthylamine | 143 | 8.287 | 8.192 | 0.095 | 64 | 10927 | NC | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.293 | 8.299 | -0.006 | 91 | 24602 | 13.0 | |
| * 85 Phenanthrene-d10 | 188 | 8.976 | 8.982 | -0.006 | 99 | 580058 | 40.0 | |
| 86 Phenanthrene | 178 | 8.999 | 9.005 | -0.006 | 96 | 14219 | 0.8471 | |
| 90 Fluoranthene | 202 | 10.170 | 10.175 | -0.005 | 97 | 35028 | 2.29 | |
| 92 Pyrene | 202 | 10.399 | 10.405 | -0.006 | 97 | 31080 | 2.57 | |
| \$ 94 Terphenyl-d14 | 244 | 10.558 | 10.564 | -0.006 | 99 | 350796 | 42.5 | |
| 99 Benzo[a]anthracene | 228 | 11.764 | 11.775 | -0.011 | 99 | 14263 | 1.42 | |
| * 100 Chrysene-d12 | 240 | 11.781 | 11.781 | 0.000 | 99 | 330304 | 40.0 | |
| 101 Chrysene | 228 | 11.811 | 11.822 | -0.011 | 99 | 13608 | 1.50 | |
| 104 Benzo[b]fluoranthene | 252 | 13.199 | 13.216 | -0.017 | 96 | 14325 | 1.88 | |
| 105 Benzo[k]fluoranthene | 252 | 13.234 | 13.252 | -0.018 | 1 | 7016 | 0.8824 | |
| 106 Benzo[a]pyrene | 252 | 13.652 | 13.669 | -0.017 | 94 | 10210 | 1.42 | |
| * 107 Perylene-d12 | 264 | 13.734 | 13.740 | -0.006 | 96 | 261778 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.199 | 15.222 | -0.023 | 95 | 7470 | 1.16 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.222 | 15.252 | -0.030 | 27 | 1504 | 0.2435 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.569 | 15.593 | -0.024 | 90 | 6390 | 0.9300 | |

[QC Flag Legend](#)

Processing Flags

NC - Not Calibrated

[Reagents:](#)

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Worklist Smp#: 15

Client ID: B4

Injection Vol: 1.0 ul

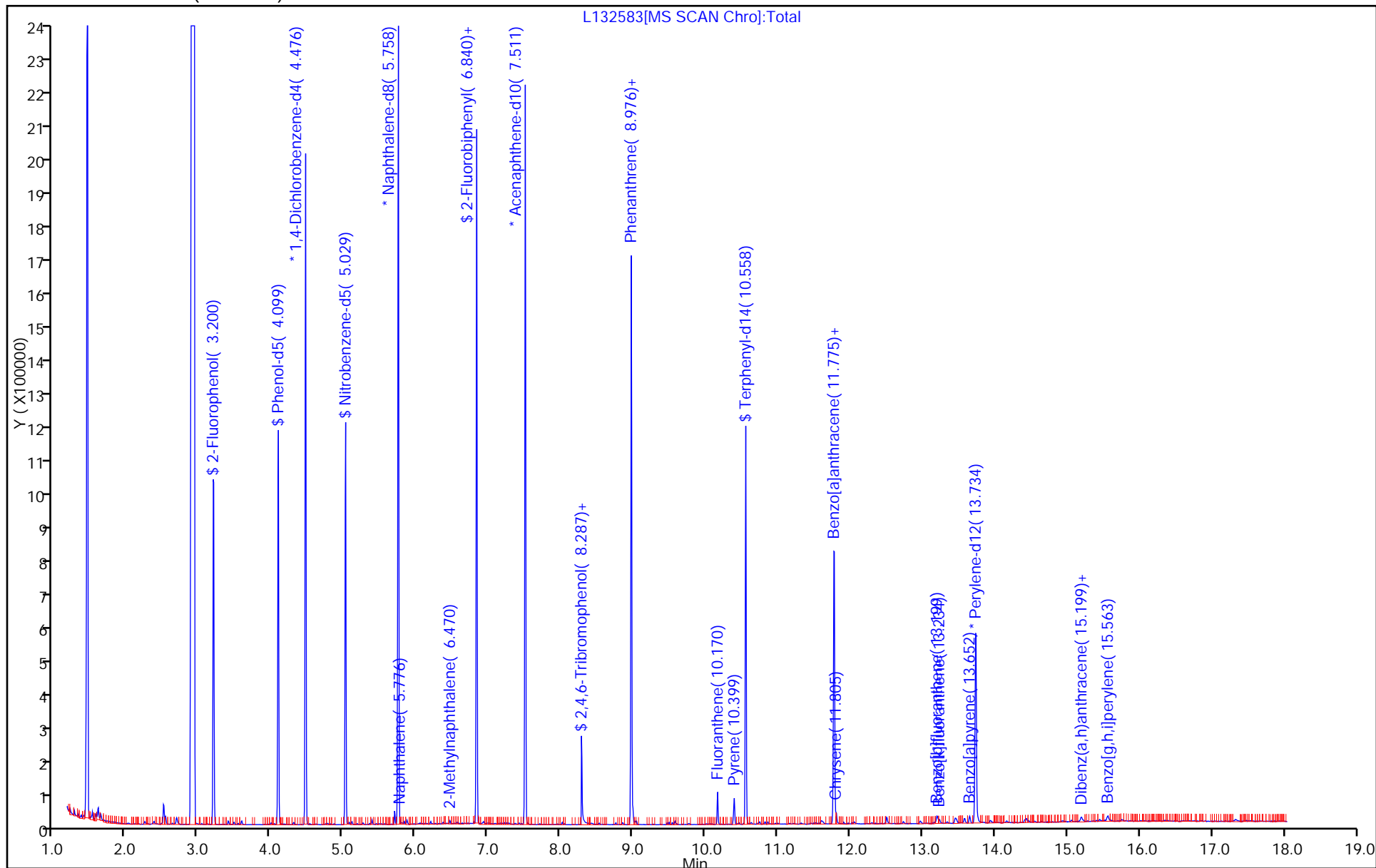
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

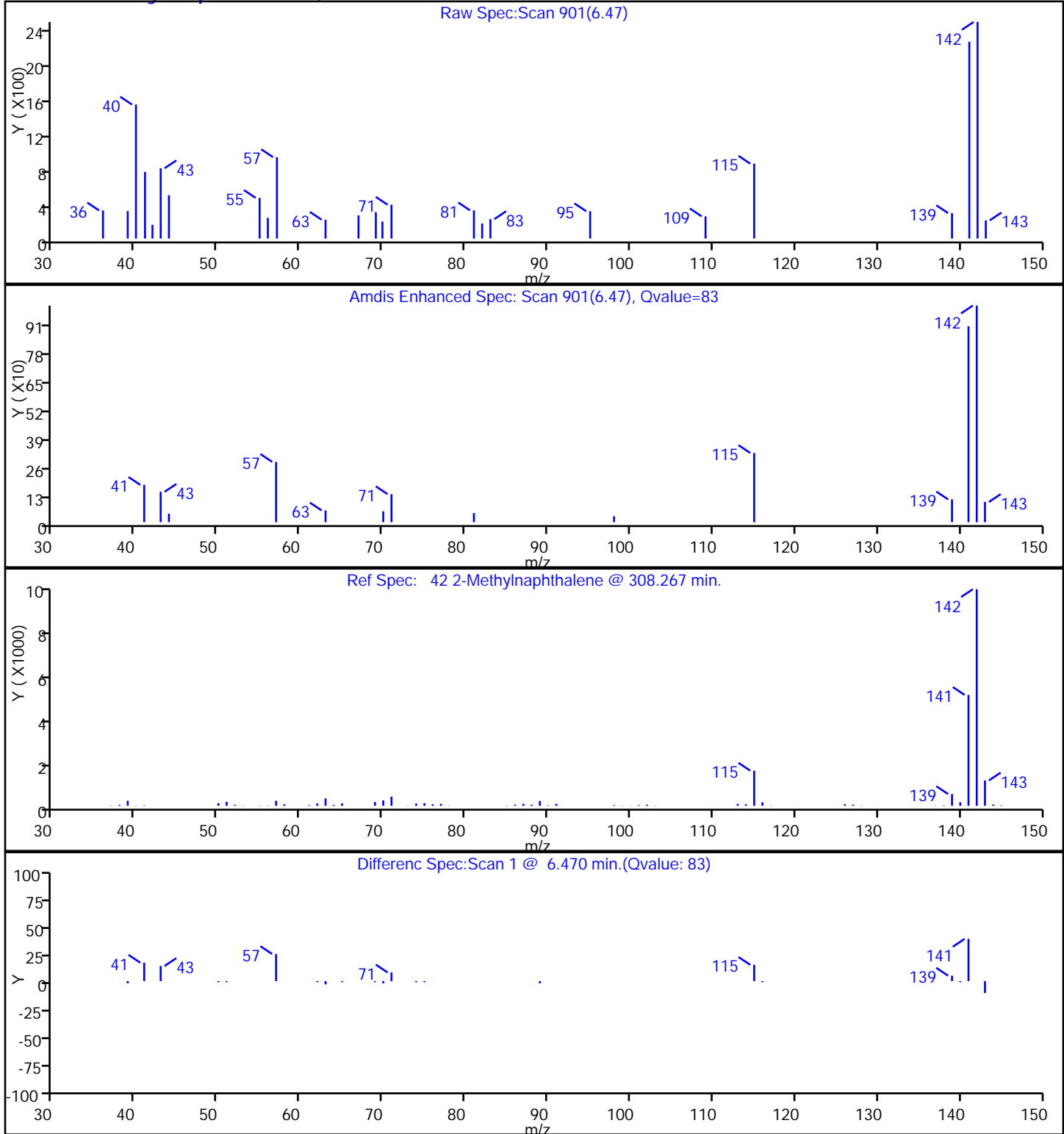
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

42 2-Methylnaphthalene, CAS: 91-57-6

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

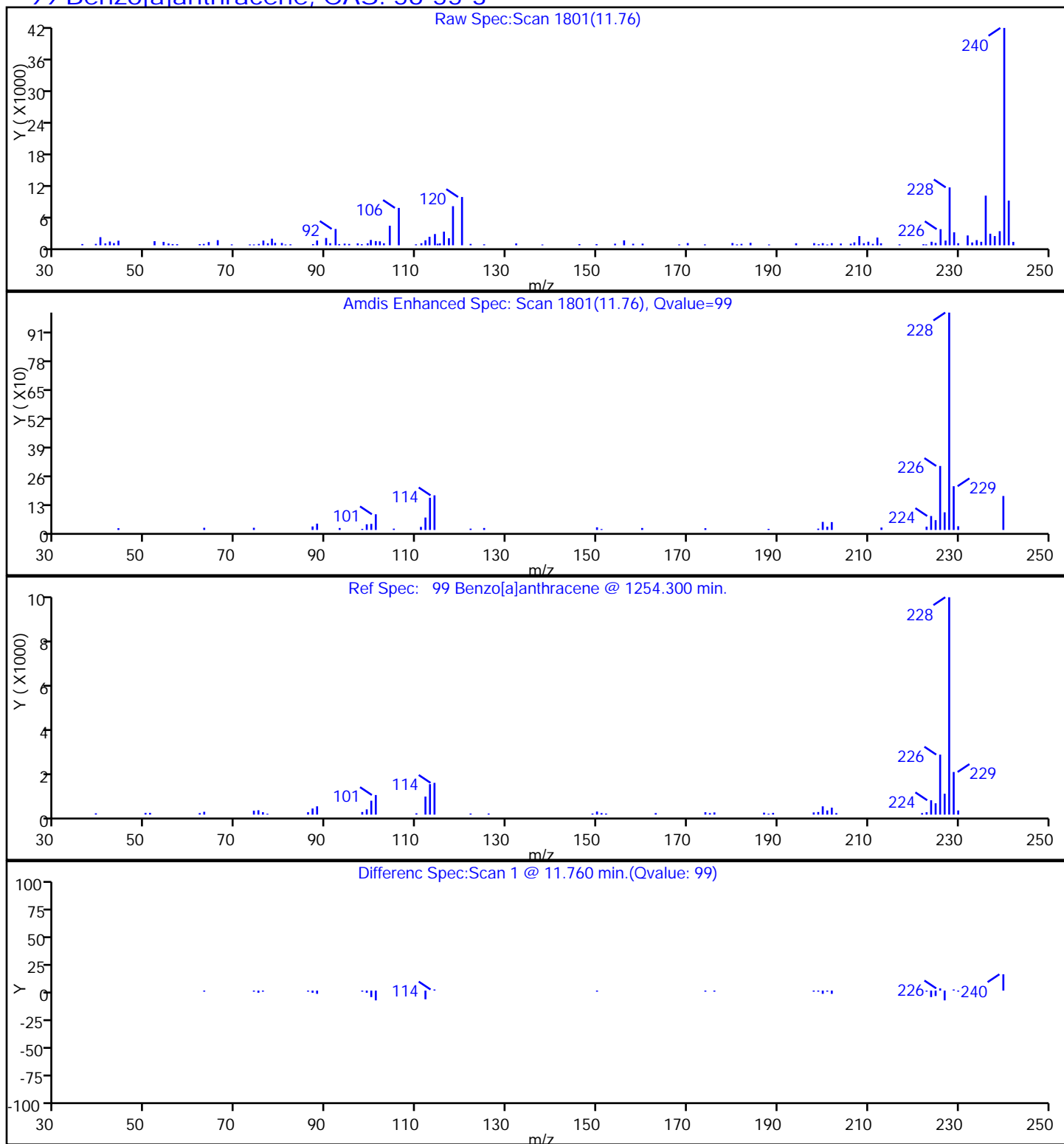
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

99 Benzo[a]anthracene, CAS: 56-55-3



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

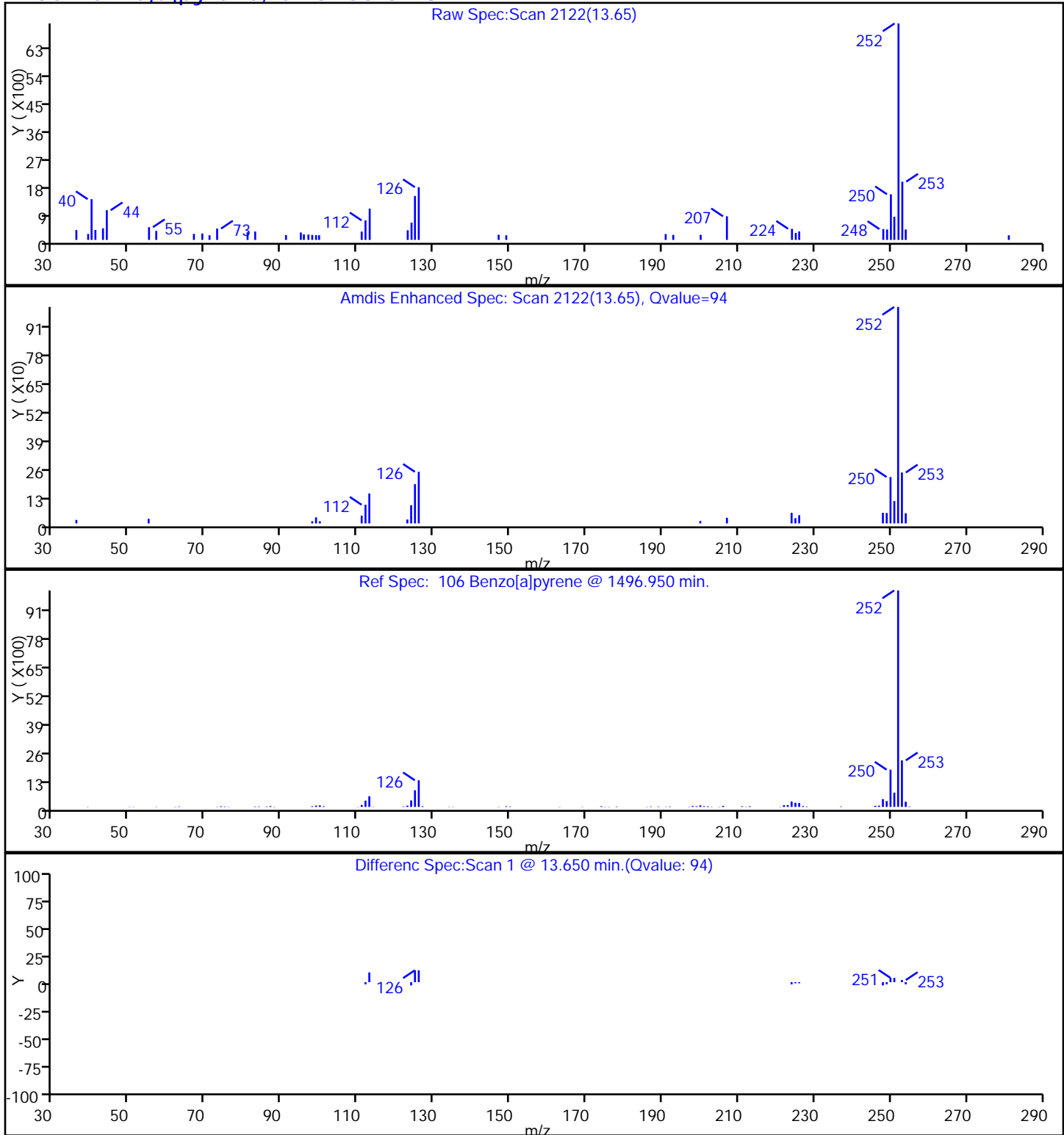
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

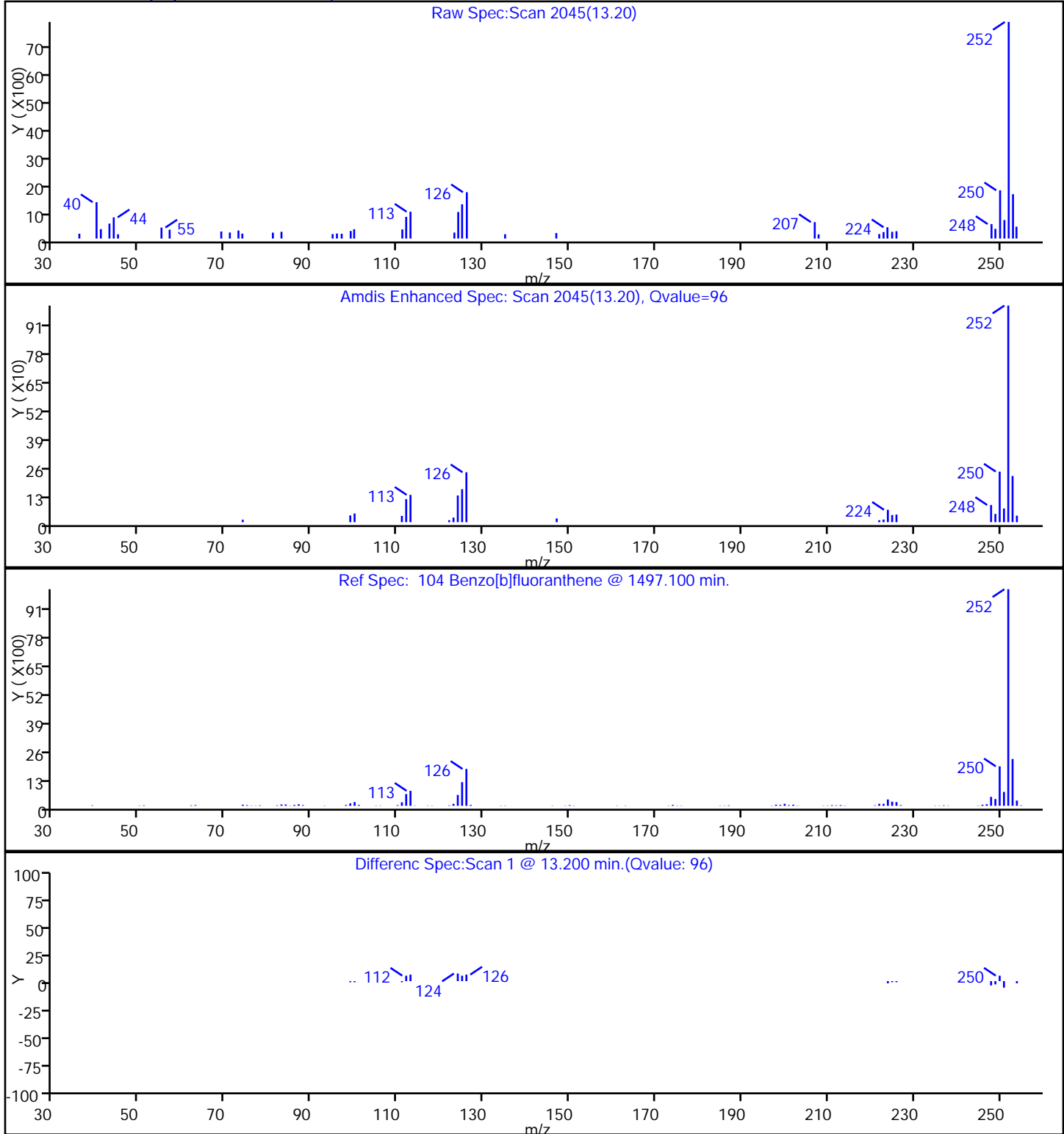
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

104 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

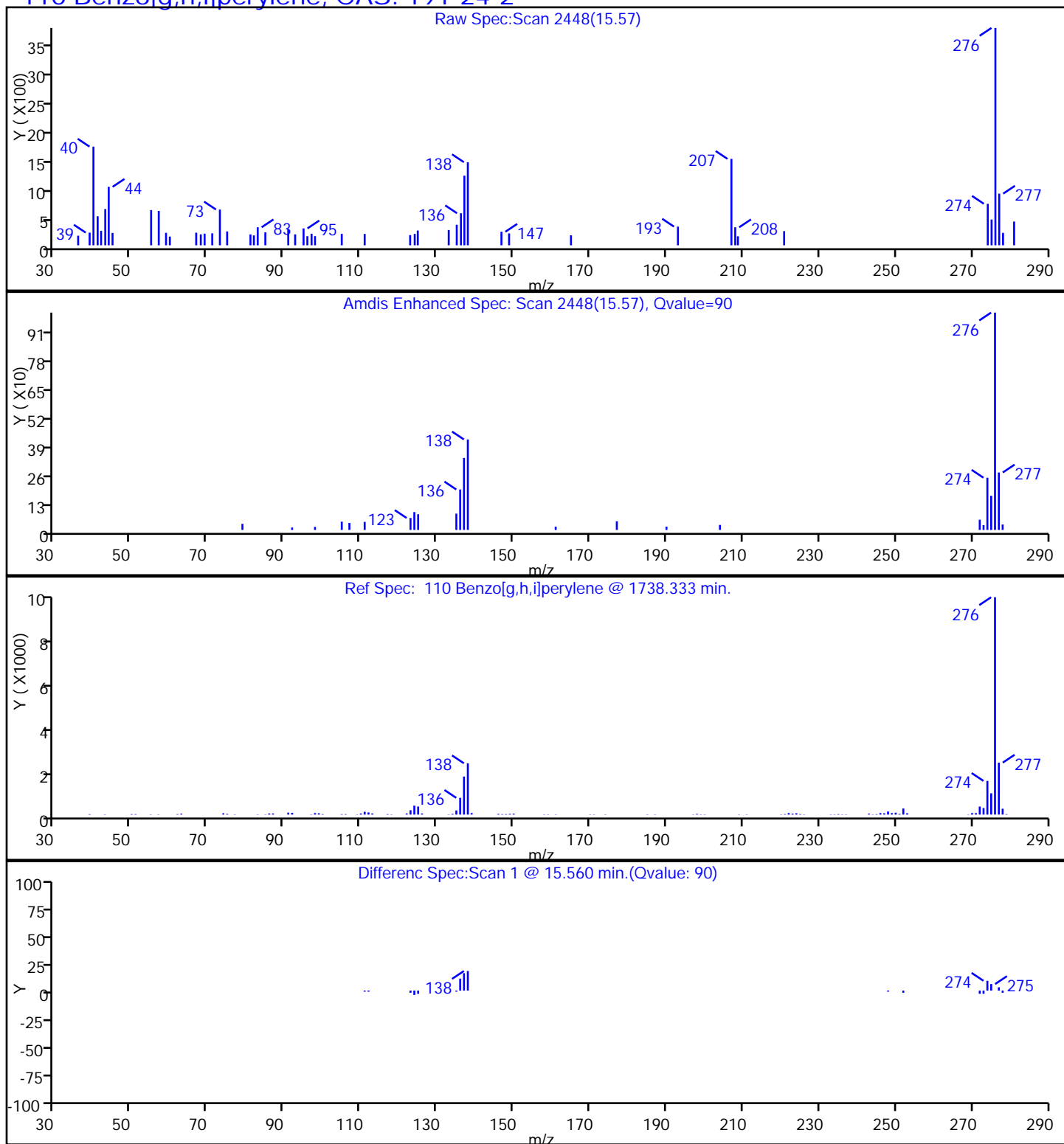
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Benzo[g,h,i]perylene, CAS: 191-24-2

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

Limit Group:

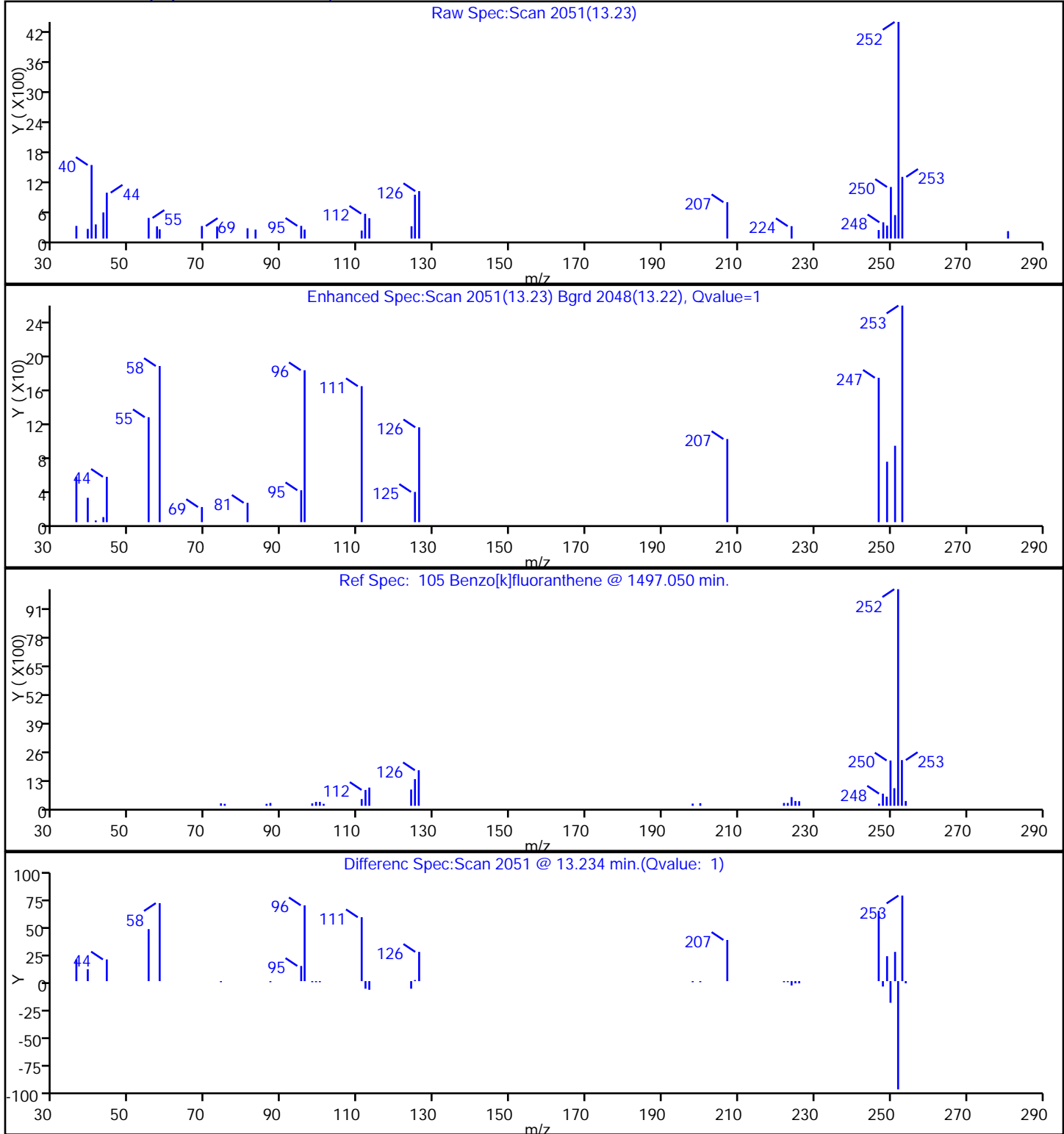
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

105 Benzo[k]fluoranthene, CAS: 207-08-9



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

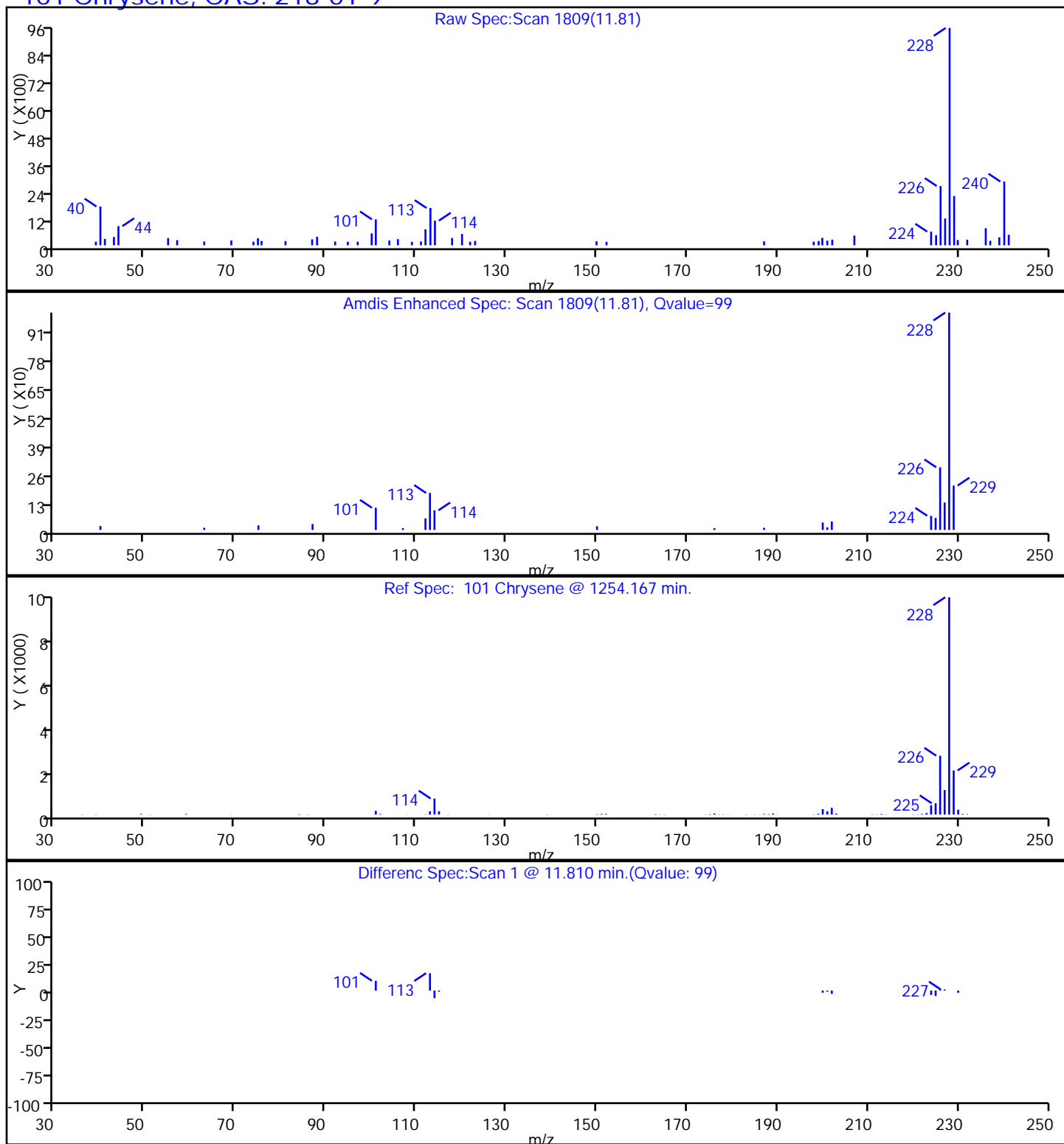
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

Limit Group:

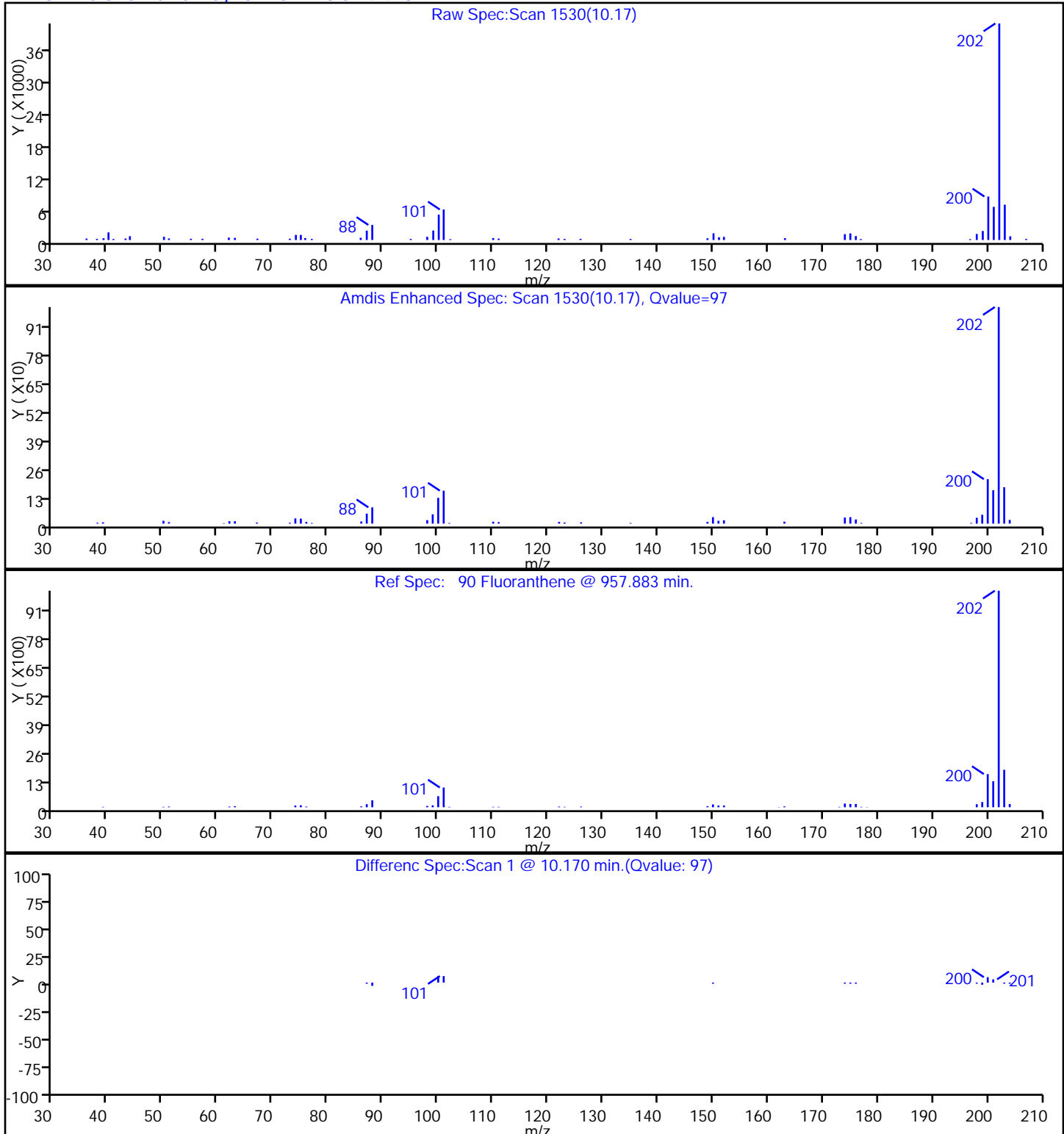
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

90 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

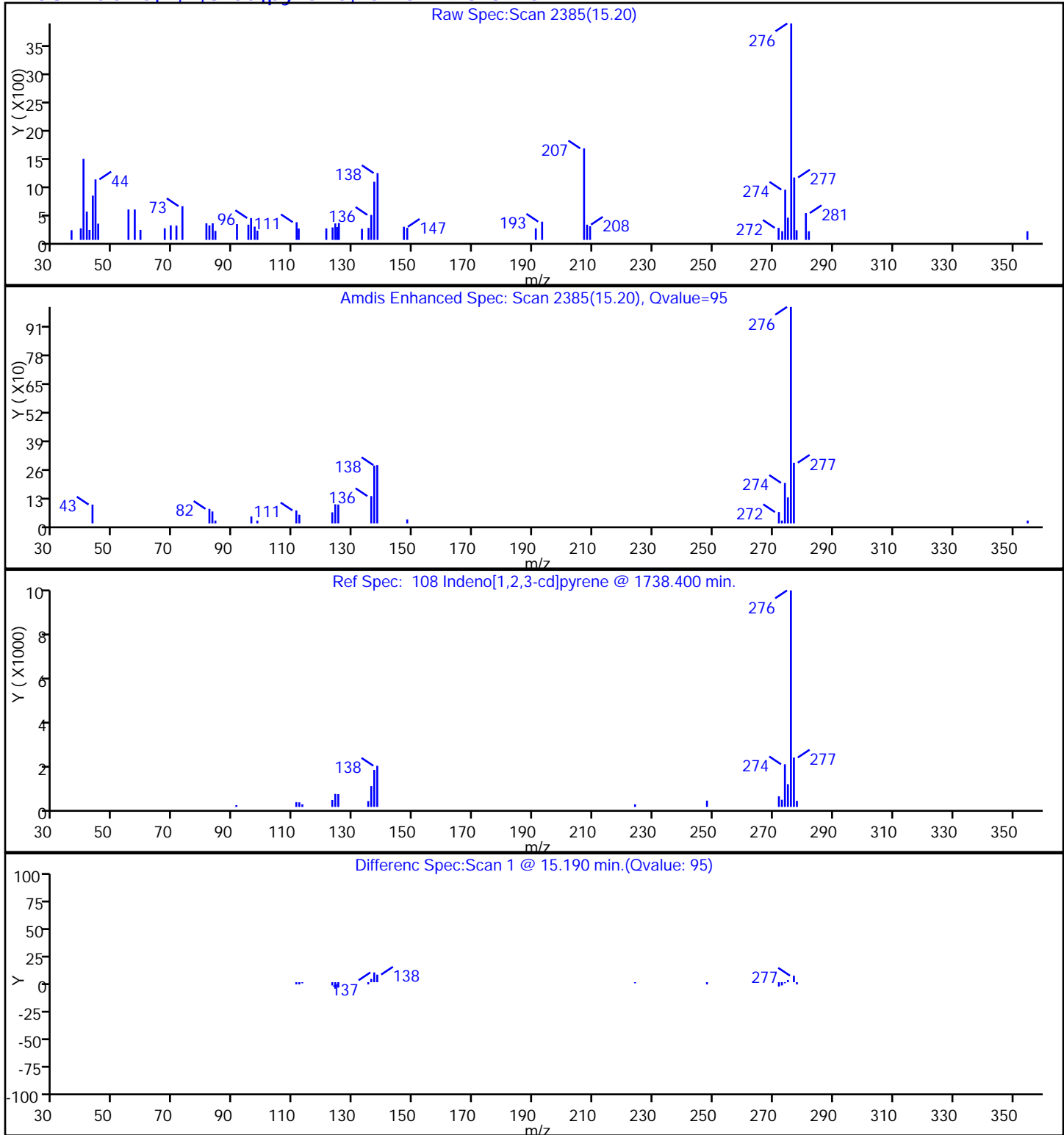
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

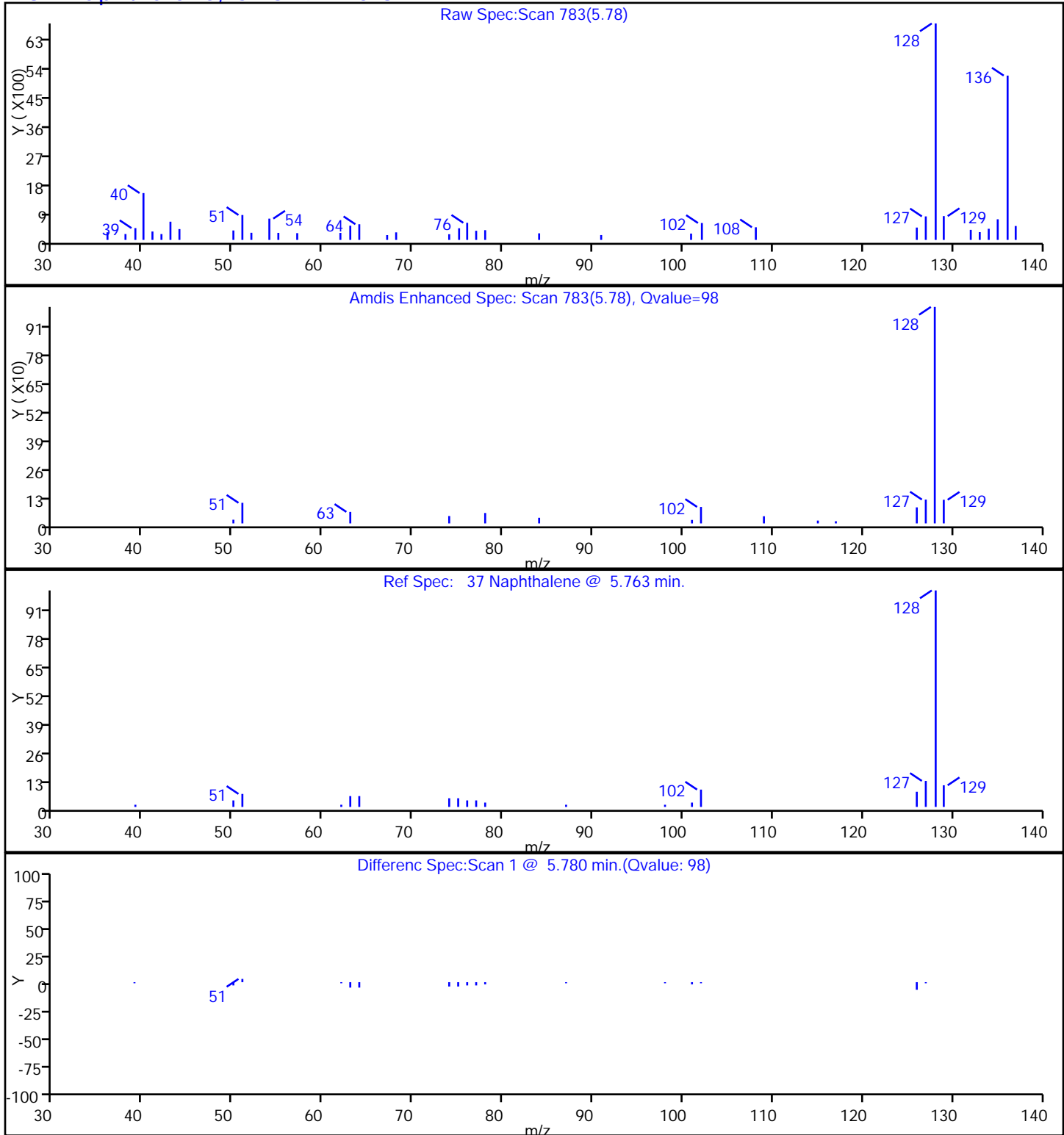
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

37 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

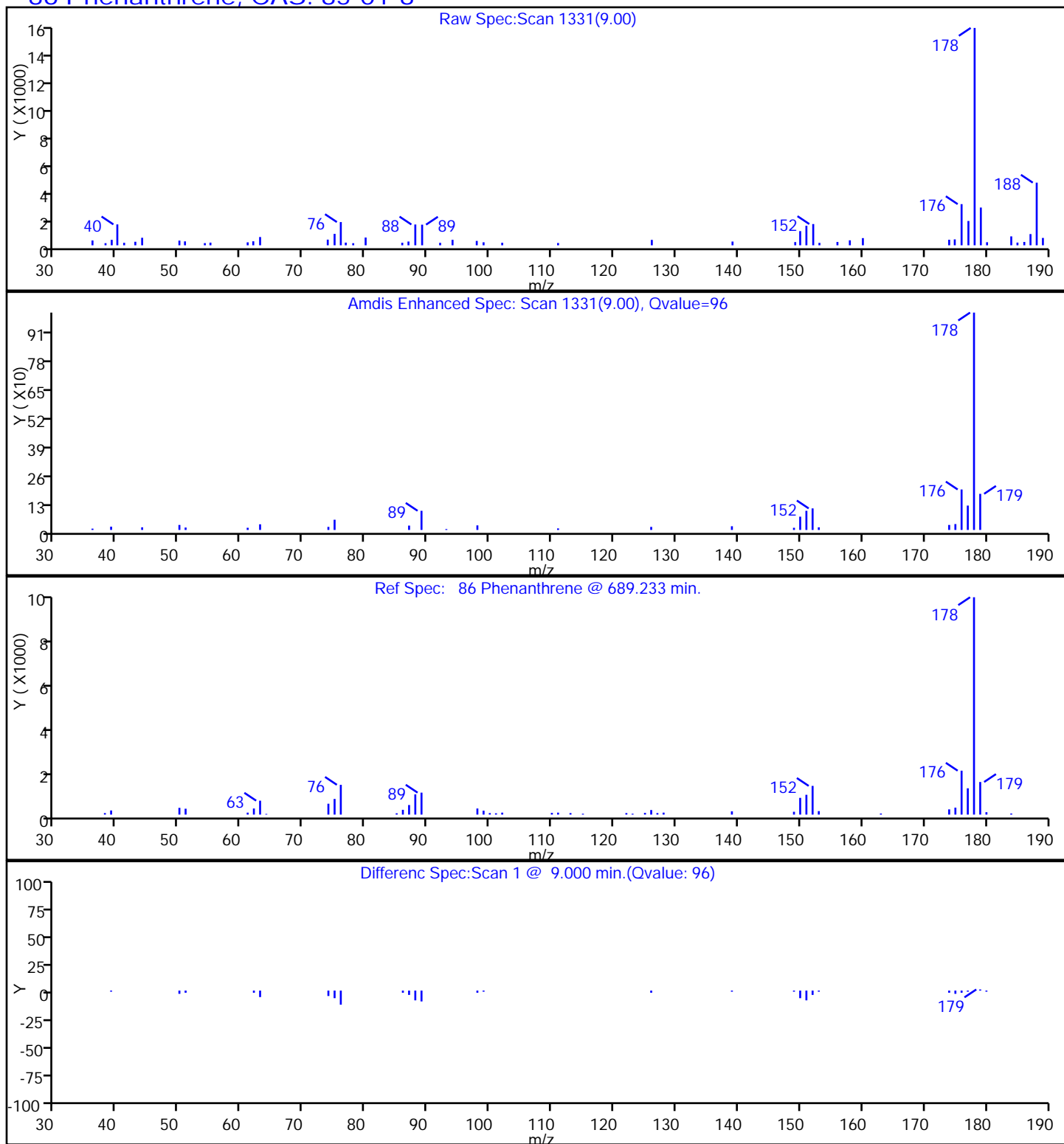
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

86 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132583.D

Injection Date: 13-Apr-2016 11:44:30

Instrument ID: CBNAMS12

Lims ID: 460-111850-A-3-F

Lab Sample ID: 460-111850-3

Client ID: B4

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_12R_9

Limit Group:

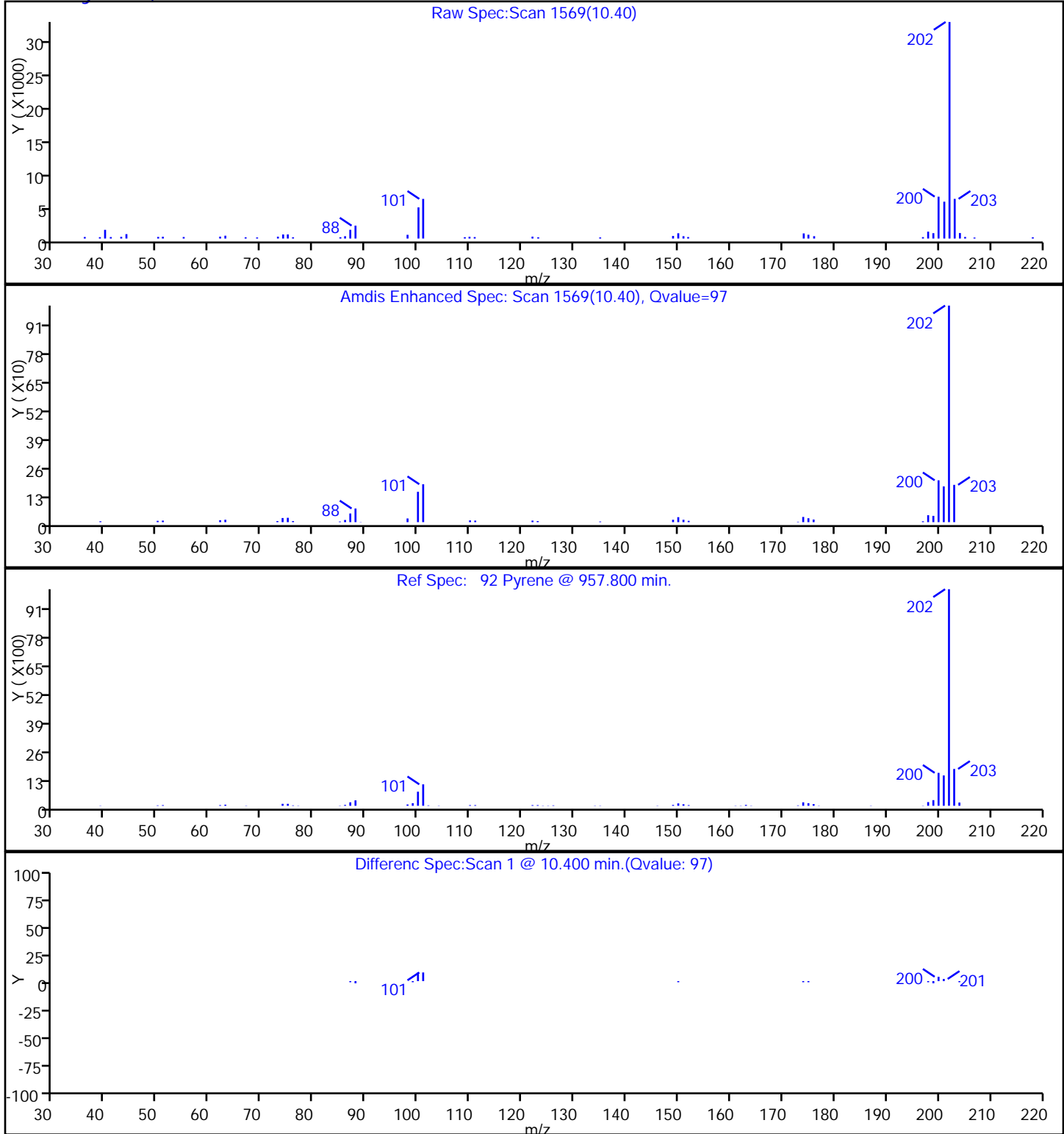
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Pyrene, CAS: 129-00-0



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|---------------------|--------------|
| Level 1 | STD05 460-361066/10 | z4178279.D |
| Level 2 | STD1 460-361066/9 | z4178278.D |
| Level 3 | STD2 460-361066/8 | z4178277.D |
| Level 4 | STD5 460-361066/7 | z4178276.D |
| Level 5 | STD10 460-361066/6 | z4178275.D |
| Level 6 | STD20 460-361066/5 | z4178274.D |
| Level 7 | ICIS 460-361066/2 | z4178271.D |
| Level 8 | STD80 460-361066/4 | z4178273.D |
| Level 9 | STD120 460-361066/3 | z4178272.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-------------------------|------------------|------------------|------------------|------------------|--------|------------|-------------|--------|----|---|---------|------|---|----------|------------|---|----------------|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| | LVL 6 | LVL 7 | LVL 8 | LVL 9 | | | | | | | | | | | | | |
| 1,4-Dioxane | 0.6515 | 0.6970 | 0.6885 | 0.6237 0.7309 | 0.6785 | Ave | | 0.6784 | | | | 5.5 | | 20.0 | | | |
| N-Nitrosodimethylamine | 0.8965 | 0.9397 | 0.8970 | 0.8286 0.9710 | 0.8927 | Ave | | 0.9042 | | | | 5.3 | | 20.0 | | | |
| Pyridine | 1.6362 | 1.6876 | 1.6210 | 1.5434 1.7338 | 1.5967 | Ave | | 1.6364 | | | | 4.1 | | 20.0 | | | |
| Phenol | 1.7064 | 1.7189 | 1.6870 | 1.6177 1.8381 | 1.6324 | Ave | | 1.7001 | | | 0.8000 | 4.6 | | 20.0 | | | |
| Aniline | 2.0644 | 2.0876 | 2.0311 | 1.8686 2.2192 | 1.9899 | Ave | | 2.0435 | | | | 5.7 | | 20.0 | | | |
| Bis(2-chloroethyl)ether | 1.3615 1.3462 | 1.4319 1.3608 | 1.3095 1.3200 | 1.2670 1.4542 | 1.2881 | Ave | | 1.3488 | | | 0.7000 | 4.6 | | 20.0 | | | |
| 2-Chlorophenol | 1.3307 | 1.3291 | 1.2995 | 1.2785 1.3797 | 1.2963 | Ave | | 1.3190 | | | 0.8000 | 2.7 | | 20.0 | | | |
| n-Decane | 1.2838 | 1.3543 | 1.3570 | 1.1606 1.4601 | 1.2308 | Ave | | 1.3078 | | | | 8.1 | | 20.0 | | | |
| 1,3-Dichlorobenzene | 1.5421 | 1.5568 | 1.5601 | 1.4723 1.6506 | 1.5297 | Ave | | 1.5519 | | | | 3.7 | | 20.0 | | | |
| 1,4-Dichlorobenzene | 1.5865 | 1.5903 | 1.5759 | 1.5298 1.6686 | 1.5881 | Ave | | 1.5899 | | | | 2.8 | | 20.0 | | | |
| Benzyl alcohol | 0.8163 | 0.8040 | 0.7829 | 0.7580 0.8397 | 0.7855 | Ave | | 0.7977 | | | | 3.6 | | 20.0 | | | |
| 1,2-Dichlorobenzene | 1.4809 | 1.4709 | 1.4509 | 1.4140 1.5423 | 1.4505 | Ave | | 1.4683 | | | | 2.9 | | 20.0 | | | |
| 2-Methylphenol | 1.1938 | 1.1727 | 1.1377 | 1.1395 1.2158 | 1.1789 | Ave | | 1.1731 | | | 0.7000 | 2.6 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|------------------------------|------------------|------------------|------------------|------------------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,2'-oxybis[1-chloropropane] | 1.2482 | 1.2522 | 1.2309 | 1.1509 1.3392 | 1.1926 | Ave | | 1.2357 | | | 0.0100 | 5.1 | | 20.0 | | | |
| 3 & 4 Methylphenol | 1.3497 | 1.3216 | 1.3117 | 1.2641 1.3773 | 1.3152 | Ave | | 1.3233 | | | | 2.9 | | 20.0 | | | |
| 4-Methylphenol | 1.3497 | 1.3216 | 1.3117 | 1.2641 1.3773 | 1.3152 | Ave | | 1.3233 | | | 0.6000 | 2.9 | | 20.0 | | | |
| Acetophenone | 1.8267 | 1.7770 | 1.7599 | 1.6914 1.8910 | 1.7366 | Ave | | 1.7804 | | | 0.0100 | 3.9 | | 20.0 | | | |
| N-Nitrosodi-n-propylamine | 1.0188 0.9870 | 1.0695 0.9652 | 0.9530 0.9380 | 0.9183 1.0207 | 0.9595 | Ave | | 0.9811 | | | 0.5000 | 4.9 | | 20.0 | | | |
| Hexachloroethane | 0.6068 0.6298 | 0.6575 0.6189 | 0.6589 0.6292 | 0.6117 0.6621 | 0.6159 | Ave | | 0.6323 | | | 0.3000 | 3.4 | | 20.0 | | | |
| Nitrobenzene | 0.6410 0.6329 | 0.6422 0.6424 | 0.6309 0.6408 | 0.5981 0.6796 | 0.6352 | Ave | | 0.6381 | | | 0.2000 | 3.3 | | 20.0 | | | |
| n,n'-Dimethylaniline | 1.9641 2.0526 | 1.9736 2.0641 | 1.9947 1.9617 | 1.9643 2.1701 | 1.9779 | Ave | | 2.0137 | | | | 3.5 | | 20.0 | | | |
| Isophorone | 0.6872 | 0.6828 | 0.6944 0.6736 | 0.6258 0.7248 | 0.6767 | Ave | | 0.6808 | | | 0.4000 | 4.4 | | 20.0 | | | |
| 2-Nitrophenol | 0.1930 | 0.1942 | 0.1994 | 0.1882 0.2089 | 0.1938 | Ave | | 0.1962 | | | 0.1000 | 3.7 | | 20.0 | | | |
| 2,4-Dimethylphenol | 0.3068 | 0.3099 | 0.3105 | 0.2889 0.3242 | 0.3040 | Ave | | 0.3074 | | | 0.2000 | 3.7 | | 20.0 | | | |
| Bis(2-chloroethoxy)methane | 0.4254 | 0.4361 | 0.4310 | 0.3902 0.4598 | 0.4215 | Ave | | 0.4273 | | | 0.3000 | 5.3 | | 20.0 | | | |
| Benzoic acid | 0.1913 | 0.1851 | 0.1914 | 0.1467 0.1910 | 0.1632 | Ave | | 0.1781 | | | | 10.6 | | 20.0 | | | |
| 2,4-Dichlorophenol | 0.3025 | 0.3053 | 0.2800 0.3080 | 0.2917 0.3217 | 0.3009 | Ave | | 0.3015 | | | 0.2000 | 4.3 | | 20.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3743 0.3553 | 0.3609 0.3533 | 0.3514 0.3590 | 0.3556 0.3761 | 0.3593 | Ave | | 0.3606 | | | | 2.4 | | 20.0 | | | |
| Naphthalene | 1.0443 | 1.0416 | 1.0549 | 0.9742 1.1168 | 1.0463 | Ave | | 1.0464 | | | 0.7000 | 4.3 | | 20.0 | | | |
| 4-Chloroaniline | 0.4047 | 0.4119 | 0.4187 | 0.3857 0.4446 | 0.4054 | Ave | | 0.4118 | | | 0.0100 | 4.7 | | 20.0 | | | |
| Hexachlorobutadiene | 0.2273 0.2407 | 0.2359 0.2362 | 0.2359 0.2442 | 0.2350 0.2511 | 0.2417 | Ave | | 0.2390 | | | 0.0100 | 3.0 | | 20.0 | | | |
| 4-Chloro-3-methylphenol | 0.3036 | 0.2946 | 0.3030 | 0.2881 0.3205 | 0.3014 | Ave | | 0.3019 | | | 0.2000 | 3.6 | | 20.0 | | | |
| 1-Methylnaphthalene | 0.6568 | 0.6510 | 0.6697 | 0.6082 0.7061 | 0.6457 | Ave | | 0.6562 | | | | 4.9 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|--------------------------------|------------------|------------------|------------------|------------------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methylnaphthalene | 0.5707 | 0.5596 | 0.5732 | 0.5411 0.6082 | 0.5593 | Ave | | 0.5687 | | | 0.4000 | 3.9 | | 20.0 | | | |
| Hexachlorocyclopentadiene | 0.4450 | 0.4928 | 0.4963 | 0.4204 0.5297 | 0.4552 | Ave | | 0.4732 | | | 0.0500 | 8.5 | | 20.0 | | | |
| 1,2,4,5-Tetrachlorobenzene | 0.7029 | 0.7206 | 0.7090 | 0.6856 0.7462 | 0.7104 | Ave | | 0.7124 | | | 0.0100 | 2.8 | | 20.0 | | | |
| 2-tertbutyl-4-methylphenol | 0.4808 | 0.4785 | 0.4803 | 0.4513 0.5181 | 0.4694 | Ave | | 0.4797 | | | | 4.6 | | 20.0 | | | |
| 2,4,6-Trichlorophenol | 0.4247 | 0.4211 | 0.4643 0.4159 | 0.4205 0.4387 | 0.4327 | Ave | | 0.4311 | | | 0.2000 | 3.8 | | 20.0 | | | |
| 2,4,5-Trichlorophenol | 0.4317 | 0.4322 | 0.4446 | 0.4072 0.4629 | 0.4384 | Ave | | 0.4362 | | | 0.2000 | 4.2 | | 20.0 | | | |
| 1,1'-Biphenyl | 1.5355 | 1.5733 | 1.5611 | 1.4798 1.6502 | 1.5196 | Ave | | 1.5532 | | | 0.0100 | 3.7 | | 20.0 | | | |
| 2-Chloronaphthalene | 1.2170 | 1.2281 | 1.2103 | 1.1712 1.2791 | 1.2281 | Ave | | 1.2223 | | | 0.8000 | 2.9 | | 20.0 | | | |
| Phenyl ether | 0.8264 | 0.8589 | 0.8114 | 0.8290 0.8894 | 0.8184 | Ave | | 0.8389 | | | | 3.5 | | 20.0 | | | |
| 2-Nitroaniline | 0.4648 | 0.4588 | 0.4602 | 0.4462 0.4863 | 0.4616 | Ave | | 0.4630 | | | 0.0100 | 2.8 | | 20.0 | | | |
| 1,3-Dimethylnaphthalene | 0.9736 | 1.0052 | 0.9060 | 0.9582 0.9831 | 0.9466 | Ave | | 0.9621 | | | | 3.5 | | 20.0 | | | |
| Dimethyl phthalate | 1.2458 | 1.2252 | 1.2328 | 1.1818 1.3187 | 1.2000 | Ave | | 1.2341 | | | 0.0100 | 3.8 | | 20.0 | | | |
| Coumarin | 0.1906 | 0.1834 | 0.1863 | 0.1796 0.1992 | 0.1814 | Ave | | 0.1867 | | | | 3.9 | | 20.0 | | | |
| 2,6-Dinitrotoluene | 0.2497 0.2951 | 0.2497 0.2901 | 0.2851 0.2920 | 0.2690 0.3152 | 0.2864 | Ave | | 0.2853 | | | 0.2000 | 6.7 | | 20.0 | | | |
| Acenaphthylene | 1.7408 | 1.7309 | 1.6978 | 1.6653 1.8279 | 1.6935 | Ave | | 1.7260 | | | 0.9000 | 3.3 | | 20.0 | | | |
| 3-Nitroaniline | 0.2813 | 0.2819 | 0.2865 | 0.2655 0.3002 | 0.2773 | Ave | | 0.2821 | | | 0.0100 | 4.0 | | 20.0 | | | |
| 3,5-di-tert-butyl-4-hydroxytol | 1.4026 | 1.4509 | 1.3823 | 1.3380 1.5178 | 1.3390 | Ave | | 1.4051 | | | | 5.0 | | 20.0 | | | |
| Acenaphthene | 1.2736 | 1.2857 | 1.1244 | 1.2229 1.2242 | 1.2324 | Ave | | 1.2272 | | | 0.9000 | 4.6 | | 20.0 | | | |
| 2,4-Dinitrophenol | 0.2012 | 0.1934 | 0.1611 0.2078 | 0.1600 0.2222 | 0.1787 | Lin2 | -0.208 | 0.2024 | | | 0.0100 | | | | 0.9930 | | 0.9900 |
| 4-Nitrophenol | 0.2379 | 0.2283 | 0.2424 | 0.2090 0.2587 | 0.2249 | Ave | | 0.2335 | | | 0.0100 | 7.3 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-----------------------------|------------------|------------------|------------------|------------------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,4-Dinitrotoluene | 0.3750 | 0.3406 0.3598 | 0.3640 0.3629 | 0.3441 0.3919 | 0.3576 | Ave | | 0.3620 | | | 0.2000 | 4.5 | | 20.0 | | | |
| Dibenzofuran | 1.5920 | 1.5792 | 1.5920 | 1.5500 1.6859 | 1.5574 | Ave | | 1.5927 | | | 0.8000 | 3.1 | | 20.0 | | | |
| 2,3,4,6-Tetrachlorophenol | 0.3571 | 0.3467 | 0.3508 | 0.3461 0.3684 | 0.3474 | Ave | | 0.3527 | | | 0.0100 | 2.5 | | 20.0 | | | |
| Diethyl phthalate | 1.1776 | 1.1414 | 1.1537 | 1.0503 1.2351 | 1.1215 | Ave | | 1.1466 | | | 0.0100 | 5.3 | | 20.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.6593 | 0.6506 | 0.6507 | 0.6171 0.6911 | 0.6302 | Ave | | 0.6499 | | | 0.4000 | 3.9 | | 20.0 | | | |
| Fluorene | 1.3018 | 1.2922 | 1.2917 | 1.2459 1.3888 | 1.2650 | Ave | | 1.2976 | | | 0.9000 | 3.8 | | 20.0 | | | |
| 4-Nitroaniline | 0.2770 | 0.2695 | 0.2743 | 0.2315 0.2564 | 0.2708 | Ave | | 0.2633 | | | 0.0100 | 6.5 | | 20.0 | | | |
| 4,6-Dinitro-2-methylphenol | 0.1574 | 0.1652 | 0.1449 0.1701 | 0.1404 0.1800 | 0.1577 | Ave | | 0.1594 | | | 0.0100 | 8.7 | | 20.0 | | | |
| N-Nitrosodiphenylamine | 0.6050 | 0.6398 | 0.6026 0.6193 | 0.5958 0.6629 | 0.6067 | Ave | | 0.6189 | | | 0.0100 | 3.9 | | 20.0 | | | |
| 1,2-Diphenylhydrazine | 0.9192 | 0.9751 | 0.9367 | 0.9145 1.0004 | 0.9279 | Ave | | 0.9457 | | | | 3.6 | | 20.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2557 | 0.2597 | 0.2574 | 0.2356 0.2744 | 0.2603 | Ave | | 0.2572 | | | 0.1000 | 4.9 | | 20.0 | | | |
| Hexachlorobenzene | 0.2356 0.2387 | 0.2458 0.2473 | 0.2484 0.2457 | 0.2444 0.2600 | 0.2417 | Ave | | 0.2453 | | | 0.1000 | 2.8 | | 20.0 | | | |
| Pentachlorophenol | 0.1579 | 0.1588 | 0.1536 0.1650 | 0.1475 0.1757 | 0.1576 | Ave | | 0.1595 | | | 0.0500 | 5.6 | | 20.0 | | | |
| Pentachloronitrobenzene | 0.1153 | 0.1192 | 0.1007 | 0.1180 0.1116 | 0.1147 | Ave | | 0.1133 | | | 0.0100 | 5.9 | | 20.0 | | | |
| n-Octadecane | 0.5290 | 0.5990 | 0.5734 | 0.4964 0.6209 | 0.5222 | Ave | | 0.5568 | | | | 8.7 | | 20.0 | | | |
| Phenanthrene | 1.1519 | 1.1690 | 1.1471 | 1.1323 1.2354 | 1.1693 | Ave | | 1.1675 | | | 0.7000 | 3.1 | | 20.0 | | | |
| Anthracene | 1.1640 | 1.2050 | 1.1781 | 1.1110 1.2517 | 1.1594 | Ave | | 1.1782 | | | 0.7000 | 4.0 | | 20.0 | | | |
| Carbazole | 0.9550 | 0.9668 | 0.9598 | 0.9297 1.0270 | 0.9463 | Ave | | 0.9641 | | | 0.0100 | 3.5 | | 20.0 | | | |
| Di-n-butyl phthalate | 1.1521 | 1.1721 | 1.1933 | 1.0923 1.2764 | 1.1315 | Ave | | 1.1696 | | | 0.0100 | 5.4 | | 20.0 | | | |
| Fluoranthene | 1.1027 | 1.0958 | 1.1008 | 1.0448 1.1787 | 1.0812 | Ave | | 1.1007 | | | 0.6000 | 4.0 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-----------------------------|------------------|------------------|------------------|------------------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Benzidine | 0.5795 | 0.5791 | 0.6233 | 0.5590 0.6508 | 0.5487 | Ave | | 0.5901 | | | | 6.7 | | 20.0 | | | |
| Pyrene | 1.4726 | 1.5090 | 1.4738 | 1.4361 1.5453 | 1.4984 | Ave | | 1.4892 | | | 0.6000 | 2.5 | | 20.0 | | | |
| Bisphenol-A | 0.6073 | 0.6274 | 0.6746 | 0.6675 0.6893 | 0.6199 | Ave | | 0.6477 | | | | 5.2 | | 20.0 | | | |
| Butyl benzyl phthalate | 0.5897 | 0.5884 | 0.5890 | 0.5472 0.6161 | 0.5794 | Ave | | 0.5850 | | | 0.0100 | 3.8 | | 20.0 | | | |
| 2,3,7,8-TCDD | | 0.1372 | | | | Ave | | 0.1372 | | | | | | 20.0 | | | |
| Carbamazepine | 0.5086 | 0.4926 | 0.5157 | 0.4616 0.5577 | 0.4608 | Ave | | 0.4995 | | | | 7.3 | | 20.0 | | | |
| 3,3'-Dichlorobenzidine | 0.4059 | 0.4217 | 0.3775 0.4350 | 0.4272 0.4357 | 0.4022 | Ave | | 0.4150 | | | 0.0100 | 5.1 | | 20.0 | | | |
| Benzo[a]anthracene | 1.5069 1.2111 | 1.3901 1.2336 | 1.2465 1.2335 | 1.2056 1.2867 | 1.2281 | Ave | | 1.2824 | | | 0.8000 | 7.9 | | 20.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.8259 | 0.8346 | 0.8423 | 0.7708 0.9015 | 0.8201 | Ave | | 0.8325 | | | 0.0100 | 5.1 | | 20.0 | | | |
| Chrysene | 1.1254 | 1.1128 | 1.1080 | 1.1017 1.1738 | 1.1401 | Ave | | 1.1270 | | | 0.7000 | 2.4 | | 20.0 | | | |
| Di-n-octyl phthalate | 1.6961 | 1.7294 | 1.7383 | 1.5823 1.8526 | 1.6556 | Ave | | 1.7091 | | | 0.0100 | 5.3 | | 20.0 | | | |
| Benzo[b]fluoranthene | 1.3970 1.2780 | 1.3478 1.2472 | 1.1958 1.2704 | 1.2621 1.3581 | 1.2964 | Ave | | 1.2947 | | | 0.7000 | 4.8 | | 20.0 | | | |
| Benzo[k]fluoranthene | 1.3584 1.2622 | 1.3096 1.3105 | 1.3245 1.3183 | 1.2386 1.3527 | 1.2731 | Ave | | 1.3053 | | | 0.7000 | 3.1 | | 20.0 | | | |
| Benzo[a]pyrene | 1.2133 1.1917 | 1.1798 1.1885 | 1.2385 1.2227 | 1.1096 1.2584 | 1.1854 | Ave | | 1.1987 | | | 0.7000 | 3.6 | | 20.0 | | | |
| Indeno[1,2,3-cd]pyrene | 1.0266 0.9864 | 1.0233 1.0089 | 0.9933 1.0907 | 0.9150 1.1229 | 0.9635 | Ave | | 1.0145 | | | 0.5000 | 6.2 | | 20.0 | | | |
| Dibenz(a,h)anthracene | 0.9249 1.0086 | 0.9465 1.0186 | 1.0152 1.0541 | 0.9276 1.1046 | 0.9607 | Ave | | 0.9956 | | | 0.4000 | 6.1 | | 20.0 | | | |
| Benzo[g,h,i]perylene | 0.9683 | 0.9937 | 1.0297 | 0.9242 1.0804 | 0.9426 | Ave | | 0.9898 | | | 0.5000 | 5.9 | | 20.0 | | | |
| 2-Fluorophenol (Surr) | 1.2341 1.3318 | 1.4734 1.4686 | 1.4043 1.3837 | 1.7004 | 1.3597 | Ave | | 1.4195 | | | | 9.7 | | 20.0 | | | |
| Phenol-d5 (Surr) | 1.6234 | 1.6060 1.7710 | 1.8033 1.6372 | 1.7108 1.9906 | 1.6393 | Ave | | 1.7227 | | | | 7.6 | | 20.0 | | | |
| Nitrobenzene-d5 (Surr) | 0.4506 0.4349 | 0.4368 0.4857 | 0.4830 0.4657 | 0.4695 0.5549 | 0.4646 | Ave | | 0.4717 | | | | 7.6 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-----------------------------|------------------|------------------|------------------|------------------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| | LVL 6 | LVL 7 | LVL 8 | LVL 9 | | | | | | | | | | | | | |
| 2-Fluorobiphenyl | 1.3717 1.3906 | 1.4073 1.5685 | 1.5758 1.4995 | 1.4997 1.7563 | 1.4610 | Ave | | 1.5034 | | | | 8.0 | | 20.0 | | | |
| 2,4,6-Tribromophenol (Surr) | 0.1615 | 0.1649 0.1668 | 0.1842 0.1668 | 0.1714 0.1948 | 0.1630 | Ave | | 0.1717 | | | | 6.8 | | 20.0 | | | |
| Terphenyl-d14 (Surr) | 1.0278 1.0274 | 1.0483 1.1621 | 1.1796 1.0998 | 1.1356 1.3032 | 1.0603 | Ave | | 1.1160 | | | | 8.1 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|---------------------|--------------|
| Level 1 | STD05 460-361066/10 | z4178279.D |
| Level 2 | STD1 460-361066/9 | z4178278.D |
| Level 3 | STD2 460-361066/8 | z4178277.D |
| Level 4 | STD5 460-361066/7 | z4178276.D |
| Level 5 | STD10 460-361066/6 | z4178275.D |
| Level 6 | STD20 460-361066/5 | z4178274.D |
| Level 7 | ICIS 460-361066/2 | z4178271.D |
| Level 8 | STD80 460-361066/4 | z4178273.D |
| Level 9 | STD120 460-361066/3 | z4178272.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|------------------------------|--------|------------|----------------|----------------|-----------------|------------------|-------|-----------------------|----------------|----------------|----------------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 |
| 1,4-Dioxane | DCB | Ave | 54182 | 163712 | 216077 | 15854 340985 | 33503 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| N-Nitrosodimethylamine | DCB | Ave | 74559 | 220710 | 281496 | 21063 452988 | 44078 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Pyridine | DCB | Ave | 136073 | 396362 | 508717 | 39233 808862 | 78837 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Phenol | DCB | Ave | 141914 | 403717 | 529416 | 41122 857556 | 80604 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Aniline | DCB | Ave | 171687 | 490316 | 637426 | 47500 1035316 | 98256 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Bis(2-chloroethyl)ether | DCB | Ave | 3655 111959 | 6973 319624 | 13869 414246 | 32208 678425 | 63600 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 2-Chlorophenol | DCB | Ave | 110664 | 312161 | 407815 | 32499 643696 | 64006 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| n-Decane | DCB | Ave | 106767 | 318087 | 425857 | 29501 681172 | 60773 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 128250 | 365652 | 489592 | 37426 770058 | 75529 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 131945 | 373512 | 494563 | 38886 778483 | 78414 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Benzyl alcohol | DCB | Ave | 67889 | 188842 | 245687 | 19269 391736 | 38783 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 123160 | 345482 | 455330 | 35943 719542 | 71619 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-Methylphenol | DCB | Ave | 99285 | 275438 | 357039 | 28966 567211 | 58209 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,2'-oxybis[1-chloropropane] | DCB | Ave | 103808 | 294116 | 386288 | 29256 624793 | 58887 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|----------------------------|--------|------------|----------------|-----------------|-----------------|------------------|--------|-----------------------|----------------|----------------|----------------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 |
| 3 & 4 Methylphenol | DCB | Ave | 112247 | 310409 | 411642 | 32134 642566 | 64942 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4-Methylphenol | DCB | Ave | 112247 | 310409 | 411642 | 32134 642566 | 64942 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Acetophenone | DCB | Ave | 151917 | 417373 | 552299 | 42994 882236 | 85745 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| N-Nitrosodi-n-propylamine | DCB | Ave | 2735 82080 | 5208 226701 | 10094 294356 | 23342 476214 | 47377 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Hexachloroethane | DCB | Ave | 1629 52377 | 3202 145371 | 6979 197450 | 15548 308880 | 30410 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Nitrobenzene | NPT | Ave | 5792 176925 | 10679 487126 | 22459 636073 | 49810 1016242 | 101647 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| n,n'-Dimethylaniline | DCB | Ave | 5273 170701 | 9611 484798 | 21127 615618 | 49931 1012442 | 97661 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Isophorone | NPT | Ave | 192119 | 517766 | 24720 668673 | 52117 1083812 | 108292 | 20.0 | 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 2-Nitrophenol | NPT | Ave | 53968 | 147232 | 197936 | 15671 312423 | 31010 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,4-Dimethylphenol | NPT | Ave | 85761 | 235027 | 308238 | 24064 484822 | 48649 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 118925 | 330730 | 427840 | 32497 687578 | 67450 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Benzoic acid | NPT | Ave | 53473 | 140401 | 190039 | 12215 285541 | 26122 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,4-Dichlorophenol | NPT | Ave | 84576 | 231520 | 305713 | 9969 481070 | 48153 | 20.0 | 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 3382 99319 | 6002 267883 | 12510 356337 | 29619 562337 | 57498 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Naphthalene | NPT | Ave | 291930 | 789847 | 1047148 | 81140 1670017 | 167435 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4-Chloroaniline | NPT | Ave | 113132 | 312361 | 415643 | 32119 664759 | 64867 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Hexachlorobutadiene | NPT | Ave | 67292 | 3780 179144 | 8399 242378 | 19575 375511 | 38670 | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 4-Chloro-3-methylphenol | NPT | Ave | 84866 | 223405 | 300775 | 23994 479287 | 48234 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1-Methylnaphthalene | NPT | Ave | 183614 | 493629 | 664790 | 50656 1055857 | 103318 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-Methylnaphthalene | NPT | Ave | 159535 | 424385 | 569039 | 45064 909420 | 89493 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Hexachlorocyclopentadiene | ANT | Ave | 62190 | 180649 | 243498 | 16870 393170 | 36127 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|--------------------------------|--------|------------|----------------|----------------|----------------|------------------|--------|-----------------------|----------------|----------------|----------------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 |
| 1,2,4,5-Tetrachlorobenzene | ANT | Ave | 98220 | 264129 | 347876 | 27516 553827 | 56382 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-tertbutyl-4-methylphenol | NPT | Ave | 134406 | 362826 | 476838 | 37585 774715 | 75115 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,4,6-Trichlorophenol | ANT | Ave | 59340 | 154350 | 8204 204075 | 16875 325601 | 34340 | 20.0 | 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 2,4,5-Trichlorophenol | ANT | Ave | 60326 | 158417 | 218157 | 16343 343600 | 34795 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1,1'-Biphenyl | ANT | Ave | 214575 | 576693 | 765969 | 59387 1224804 | 120601 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-Chloronaphthalene | ANT | Ave | 170067 | 450170 | 593843 | 47004 949352 | 97462 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Phenyl ether | ANT | Ave | 115479 | 314843 | 398116 | 33271 660126 | 64949 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-Nitroaniline | ANT | Ave | 64951 | 168173 | 225804 | 17909 360925 | 36633 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1,3-Dimethylnaphthalene | ANT | Ave | 136053 | 368441 | 444553 | 38453 729690 | 75126 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Dimethyl phthalate | ANT | Ave | 174090 | 449075 | 604910 | 47428 978782 | 95237 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Coumarin | NPT | Ave | 53280 | 139078 | 184893 | 14962 297839 | 29022 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,6-Dinitrotoluene | ANT | Ave | 41237 | 2022 106340 | 5037 143282 | 10795 233917 | 22727 | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Acenaphthylene | ANT | Ave | 243260 | 634441 | 833064 | 66832 1356755 | 134402 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 3-Nitroaniline | ANT | Ave | 39305 | 103314 | 140580 | 10654 222848 | 22007 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 3,5-di-tert-butyl-4-hydroxytol | ANT | Ave | 195998 | 531828 | 678269 | 53698 1126548 | 106265 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Acenaphthene | ANT | Ave | 177974 | 471254 | 551716 | 49080 908634 | 97808 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,4-Dinitrophenol | ANT | Lin2 | 56236 | 141752 | 5693 203896 | 12843 329807 | 28369 | 40.0 | 100 | 4.00 160 | 10.0 240 | 20.0 |
| 4-Nitrophenol | ANT | Ave | 66484 | 167364 | 237896 | 16775 384061 | 35702 | 40.0 | 100 | 160 | 10.0 240 | 20.0 |
| 2,4-Dinitrotoluene | ANT | Ave | 52397 | 2758 131889 | 6432 178074 | 13811 290886 | 28379 | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Dibenzofuran | ANT | Ave | 222458 | 578865 | 781130 | 62205 1251295 | 123600 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,3,4,6-Tetrachlorophenol | ANT | Ave | 49903 | 127082 | 172126 | 13888 273452 | 27571 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|-----------------------------|--------|------------|----------------|----------------|----------------|---------------------------|--------|-----------------------|----------------|----------------|----------------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 |
| Diethyl phthalate | ANT | Ave | 164558 | 418375 | 566073 | 42151 916752 | 89002 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 92136 | 238470 | 319293 | 24765 512965 | 50018 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Fluorene | ANT | Ave | 181909 | 473643 | 633805 | 50002 1030790 | 100397 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4-Nitroaniline | ANT | Ave | 38714 | 98785 | 134593 | 9291 190279 | 21491 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4,6-Dinitro-2-methylphenol | PHN | Ave | 65051 | 166327 | 239188 | 7476 16162 | 35670 | 40.0 | 100 | 4.00 160 | 10.0 240 | 20.0 |
| N-Nitrosodiphenylamine | PHN | Ave | 250090 | 644159 | 870882 | 31099 68600 1401541 | 137207 | 40.0 | 100 | 4.00 160 | 10.0 240 | 20.0 |
| 1,2-Diphenylhydrazine | PHN | Ave | 189987 | 490899 | 658613 | 52649 1057580 | 104927 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 52851 | 130750 | 181009 | 13561 290029 | 29437 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Hexachlorobenzene | PHN | Ave | 1459 49334 | 2839 124512 | 6410 172789 | 14072 274848 | 27334 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Pentachlorophenol | PHN | Ave | 65286 | 159886 | 232066 | 7928 16986 371394 | 35648 | 40.0 | 100 | 4.00 160 | 10.0 240 | 20.0 |
| Pentachloronitrobenzene | PHN | Ave | 23831 | 60029 | 70796 | 6796 117986 | 12975 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| n-Octadecane | PHN | Ave | 109338 | 301530 | 403214 | 28577 656376 | 59053 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Phenanthrene | PHN | Ave | 238082 | 588487 | 806604 | 65184 1306012 | 132223 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Anthracene | PHN | Ave | 240567 | 606621 | 828342 | 63963 1323237 | 131099 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Carbazole | PHN | Ave | 197376 | 486692 | 674886 | 53522 1085649 | 107002 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Di-n-butyl phthalate | PHN | Ave | 238113 | 590076 | 839052 | 62885 1349277 | 127944 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Fluoranthene | PHN | Ave | 227913 | 551642 | 773999 | 60148 1246003 | 122255 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Benzidine | PHN | Ave | 119767 | 291539 | 438285 | 32179 687941 | 62042 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Pyrene | CRY | Ave | 229883 | 556685 | 776104 | 60668 1253763 | 126402 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Bisphenol-A | CRY | Ave | 94804 | 231433 | 355245 | 28199 559305 | 52294 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Butyl benzyl phthalate | CRY | Ave | 92062 | 217071 | 310155 | 23118 499919 | 48872 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|-----------------------------|--------|------------|----------------|-----------------|-----------------|------------------|--------|-----------------------|----------------|----------------|----------------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 |
| 2,3,7,8-TCDD | CRY | Ave | | 506 | | | | | 0.500 | | | |
| Carbamazepine | CRY | Ave | 79392 | 181726 | 271588 | 452529 | 38871 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 63371 | 155552 | 229074 | 353547 | 33926 | 20.0 | 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Benzo[a]anthracene | CRY | Ave | 6756 189060 | 11416 455060 | 22902 649569 | 50930 1043984 | 103597 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 128934 | 307888 | 443572 | 32563 731466 | 69178 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Chrysene | CRY | Ave | 175679 | 410527 | 583463 | 46544 952417 | 96178 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Di-n-octyl phthalate | PRY | Ave | 199353 | 478963 | 687725 | 50366 1137703 | 101968 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Benzo[b]fluoranthene | PRY | Ave | 4631 150211 | 8336 345408 | 16021 502598 | 40172 834011 | 79847 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Benzo[k]fluoranthene | PRY | Ave | 4503 148360 | 8100 362959 | 17745 521535 | 39425 830700 | 78408 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Benzo[a]pyrene | PRY | Ave | 4022 140074 | 7297 329172 | 16593 483716 | 35318 772810 | 73009 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 3403 115942 | 6329 279423 | 13308 431504 | 29126 689592 | 59341 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 3066 118542 | 5854 282114 | 13601 417013 | 29527 678356 | 59167 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 113813 | 275203 | 407364 | 29419 663476 | 58053 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-Fluorophenol (Surr) | DCB | Ave | 6010 110756 | 15605 344936 | 35697 434242 | 67137 | | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Phenol-d5 (Surr) | DCB | Ave | 7821 135014 | 19099 415958 | 43487 513805 | 80944 | | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Nitrobenzene-d5 (Surr) | NPT | Ave | 4072 121573 | 7264 368321 | 17193 462296 | 39104 829710 | 74337 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 2-Fluorobiphenyl | ANT | Ave | 5939 194317 | 11395 574940 | 27845 735758 | 60185 1303542 | 115952 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 2,4,6-Tribromophenol (Surr) | ANT | Ave | 1335 22565 | 3254 61140 | 6880 81840 | 12935 | | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Terphenyl-d14 (Surr) | CRY | Ave | 4608 160390 | 8609 428705 | 21672 579148 | 47975 1057352 | 89443 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178271.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 06-Apr-2016 12:45:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-002
 Misc. Info.: ccvis
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:06:30 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: zhaoc

Date: 06-Apr-2016 13:13:26

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 1 1,4-Dioxane | 88 | 1.857 | 1.857 | 0.000 | 93 | 163712 | 50.0 | 51.4 | |
| 2 N-Nitrosodimethylamine | 74 | 2.093 | 2.093 | 0.000 | 90 | 220710 | 50.0 | 52.0 | |
| 3 Pyridine | 79 | 2.128 | 2.128 | 0.000 | 97 | 396362 | 50.0 | 51.6 | |
| \$ 4 2-Fluorophenol | 112 | 3.281 | 3.281 | 0.000 | 92 | 344936 | 50.0 | 51.7 | |
| \$ 6 Phenol-d5 | 99 | 4.198 | 4.198 | 0.000 | 95 | 415958 | 50.0 | 51.4 | |
| 7 Phenol | 94 | 4.216 | 4.216 | 0.000 | 98 | 403717 | 50.0 | 50.6 | |
| 8 Aniline | 93 | 4.245 | 4.245 | 0.000 | 99 | 490316 | 50.0 | 51.1 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.310 | 4.310 | 0.000 | 99 | 319624 | 50.0 | 50.4 | |
| 10 Benzonitrile | 103 | 4.334 | 4.334 | 0.000 | 0 | 606336 | NC | NC | |
| 11 2-Chlorophenol | 128 | 4.369 | 4.369 | 0.000 | 93 | 312161 | 50.0 | 50.4 | |
| 12 n-Decane | 43 | 4.416 | 4.416 | 0.000 | 85 | 318087 | 50.0 | 51.8 | |
| 13 1,3-Dichlorobenzene | 146 | 4.528 | 4.528 | 0.000 | 93 | 365652 | 50.0 | 50.2 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 97 | 187897 | 40.0 | 40.0 | |
| 15 1,4-Dichlorobenzene | 146 | 4.592 | 4.592 | 0.000 | 92 | 373512 | 50.0 | 50.0 | |
| 16 Benzyl alcohol | 108 | 4.710 | 4.710 | 0.000 | 90 | 188842 | 50.0 | 50.4 | |
| 17 1,2-Dichlorobenzene | 146 | 4.751 | 4.751 | 0.000 | 93 | 345482 | 50.0 | 50.1 | |
| 18 2-Methylphenol | 108 | 4.822 | 4.822 | 0.000 | 86 | 275438 | 50.0 | 50.0 | |
| 19 2,2'-oxybis[1-chloropropan | 45 | 4.851 | 4.851 | 0.000 | 88 | 294116 | 50.0 | 50.7 | |
| 20 N-Methylaniline | 106 | 4.969 | 4.969 | 0.000 | 0 | 485413 | NC | NC | |
| 24 4-Methylphenol | 108 | 4.981 | 4.981 | 0.000 | 85 | 310409 | 50.0 | 49.9 | |
| 22 Acetophenone | 105 | 4.981 | 4.981 | 0.000 | 89 | 417373 | 50.0 | 49.9 | |
| 23 3 & 4 Methylphenol | 108 | 4.981 | 4.981 | 0.000 | 86 | 310409 | 50.0 | 49.9 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.987 | 4.987 | 0.000 | 85 | 226701 | 50.0 | 49.2 | |
| 25 Hexachloroethane | 117 | 5.092 | 5.092 | 0.000 | 93 | 145371 | 50.0 | 48.9 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.134 | 5.134 | 0.000 | 87 | 368321 | 50.0 | 51.5 | |
| 27 Nitrobenzene | 77 | 5.157 | 5.157 | 0.000 | 93 | 487126 | 50.0 | 50.3 | |
| 28 n,n'-Dimethylaniline | 120 | 5.157 | 5.157 | 0.000 | 94 | 484798 | 50.0 | 51.3 | |
| 31 Isophorone | 82 | 5.398 | 5.398 | 0.000 | 99 | 517766 | 50.0 | 50.1 | |
| 32 2-Nitrophenol | 139 | 5.475 | 5.475 | 0.000 | 85 | 147232 | 50.0 | 49.5 | |
| 33 2,4-Dimethylphenol | 122 | 5.516 | 5.516 | 0.000 | 87 | 235027 | 50.0 | 50.4 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 34 Bis(2-chloroethoxy)methane | 93 | 5.610 | 5.610 | 0.000 | 99 | 330730 | 50.0 | 51.0 | |
| 35 Benzoic acid | 122 | 5.639 | 5.639 | 0.000 | 87 | 140401 | 50.0 | 52.0 | |
| 36 2,4-Dichlorophenol | 162 | 5.716 | 5.716 | 0.000 | 95 | 231520 | 50.0 | 50.6 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.804 | 5.804 | 0.000 | 94 | 267883 | 50.0 | 49.0 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 606653 | 40.0 | 40.0 | |
| 39 Naphthalene | 128 | 5.886 | 5.886 | 0.000 | 99 | 789847 | 50.0 | 49.8 | |
| 40 4-Chloroaniline | 127 | 5.934 | 5.934 | 0.000 | 95 | 312361 | 50.0 | 50.0 | |
| 41 Hexachlorobutadiene | 225 | 6.016 | 6.016 | 0.000 | 95 | 179144 | 50.0 | 49.4 | |
| 43 4-Chloro-3-methylphenol | 107 | 6.416 | 6.416 | 0.000 | 94 | 223405 | 50.0 | 48.8 | |
| 45 1-Methylnaphthalene | 142 | 6.581 | 6.581 | 0.000 | 93 | 493629 | 50.0 | 49.6 | |
| 44 2-Methylnaphthalene | 142 | 6.681 | 6.681 | 0.000 | 83 | 424385 | 50.0 | 49.2 | |
| 46 Hexachlorocyclopentadiene | 237 | 6.745 | 6.745 | 0.000 | 96 | 180649 | 50.0 | 52.1 | |
| 47 1,2,4,5-Tetrachlorobenzene | 216 | 6.751 | 6.751 | 0.000 | 96 | 264129 | 50.0 | 50.6 | |
| 48 2-tertbutyl-4-methylphenol | 149 | 6.775 | 6.775 | 0.000 | 90 | 362826 | 50.0 | 49.9 | |
| 49 2,4,6-Trichlorophenol | 196 | 6.857 | 6.857 | 0.000 | 90 | 154350 | 50.0 | 48.8 | |
| 50 2,4,5-Trichlorophenol | 196 | 6.892 | 6.892 | 0.000 | 96 | 158417 | 50.0 | 49.5 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.945 | 6.945 | 0.000 | 97 | 574940 | 50.0 | 52.2 | |
| 52 1,1'-Biphenyl | 154 | 7.045 | 7.045 | 0.000 | 96 | 576693 | 50.0 | 50.6 | |
| 53 2-Chloronaphthalene | 162 | 7.069 | 7.069 | 0.000 | 97 | 450170 | 50.0 | 50.2 | |
| 54 Phenyl ether | 170 | 7.151 | 7.151 | 0.000 | 87 | 314843 | 50.0 | 51.2 | |
| 55 2-Nitroaniline | 65 | 7.163 | 7.163 | 0.000 | 93 | 168173 | 50.0 | 49.5 | |
| 57 1,3-Dimethylnaphthalene | 156 | 7.286 | 7.286 | 0.000 | 90 | 368441 | 50.0 | 52.2 | |
| 58 Dimethyl phthalate | 163 | 7.351 | 7.351 | 0.000 | 98 | 449075 | 50.0 | 49.6 | |
| 59 Coumarin | 146 | 7.375 | 7.375 | 0.000 | 70 | 139078 | 50.0 | 49.1 | |
| 60 2,6-Dinitrotoluene | 165 | 7.404 | 7.404 | 0.000 | 95 | 106340 | 50.0 | 50.8 | |
| 63 Acenaphthylene | 152 | 7.480 | 7.480 | 0.000 | 97 | 634441 | 50.0 | 50.1 | |
| 64 3-Nitroaniline | 138 | 7.575 | 7.575 | 0.000 | 93 | 103314 | 50.0 | 50.0 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 93 | 293236 | 40.0 | 40.0 | |
| 66 3,5-di-tert-butyl-4-hydrox | 205 | 7.639 | 7.639 | 0.000 | 96 | 531828 | 50.0 | 51.6 | |
| 67 Acenaphthene | 154 | 7.657 | 7.657 | 0.000 | 95 | 471254 | 50.0 | 52.4 | |
| 68 2,4-Dinitrophenol | 184 | 7.675 | 7.675 | 0.000 | 72 | 141752 | 100.0 | 96.5 | |
| 69 4-Nitrophenol | 65 | 7.733 | 7.733 | 0.000 | 93 | 167364 | 100.0 | 97.8 | |
| 70 2,4-Dinitrotoluene | 165 | 7.804 | 7.804 | 0.000 | 94 | 131889 | 50.0 | 49.7 | |
| 71 Dibenzofuran | 168 | 7.828 | 7.828 | 0.000 | 95 | 578865 | 50.0 | 49.6 | |
| 72 2,3,4,6-Tetrachlorophenol | 232 | 7.945 | 7.945 | 0.000 | 95 | 127082 | 50.0 | 49.1 | |
| 73 Diethyl phthalate | 149 | 8.051 | 8.051 | 0.000 | 98 | 418375 | 50.0 | 49.8 | |
| 74 Fluorene | 166 | 8.163 | 8.163 | 0.000 | 95 | 473643 | 50.0 | 49.8 | |
| 75 4-Chlorophenyl phenyl ethe | 204 | 8.163 | 8.163 | 0.000 | 87 | 238470 | 50.0 | 50.1 | |
| 76 4-Nitroaniline | 138 | 8.186 | 8.186 | 0.000 | 90 | 98785 | 50.0 | 51.2 | |
| 77 4,6-Dinitro-2-methylphenol | 198 | 8.210 | 8.210 | 0.000 | 88 | 166327 | 100.0 | 103.7 | |
| 78 N-Nitrosodiphenylamine | 169 | 8.280 | 8.280 | 0.000 | 67 | 644159 | 100.0 | 103.4 | |
| 79 1,2-Diphenylhydrazine | 77 | 8.322 | 8.322 | 0.000 | 97 | 490899 | 50.0 | 51.6 | |
| \$ 80 2,4,6-Tribromophenol | 330 | 8.404 | 8.404 | 0.000 | 93 | 61140 | 50.0 | 48.6 | |
| 81 4-Bromophenyl phenyl ether | 248 | 8.645 | 8.645 | 0.000 | 88 | 130750 | 50.0 | 50.5 | |
| 82 Hexachlorobenzene | 284 | 8.716 | 8.716 | 0.000 | 97 | 124512 | 50.0 | 50.4 | |
| 84 Pentachlorophenol | 266 | 8.904 | 8.904 | 0.000 | 92 | 159886 | 100.0 | 99.6 | |
| 85 Pentachloronitrobenzene | 237 | 8.922 | 8.922 | 0.000 | 86 | 60029 | 50.0 | 52.6 | |
| 86 n-Octadecane | 57 | 8.975 | 8.975 | 0.000 | 91 | 301530 | 50.0 | 53.8 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 402735 | 40.0 | 40.0 | |
| 88 Phenanthrene | 178 | 9.116 | 9.116 | 0.000 | 98 | 588487 | 50.0 | 50.1 | |
| 89 Anthracene | 178 | 9.169 | 9.169 | 0.000 | 99 | 606621 | 50.0 | 51.1 | |
| 90 Carbazole | 167 | 9.322 | 9.322 | 0.000 | 96 | 486692 | 50.0 | 50.1 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 91 Di-n-butyl phthalate | 149 | 9.657 | 9.657 | 0.000 | 99 | 590076 | 50.0 | 50.1 | |
| 92 Fluoranthene | 202 | 10.298 | 10.298 | 0.000 | 98 | 551642 | 50.0 | 49.8 | |
| 93 Benzdine | 184 | 10.421 | 10.421 | 0.000 | 99 | 291539 | 50.0 | 49.1 | |
| 94 Pyrene | 202 | 10.533 | 10.533 | 0.000 | 98 | 556685 | 50.0 | 50.7 | |
| 95 Bisphenol-A | 213 | 10.563 | 10.563 | 0.000 | 99 | 231433 | 50.0 | 48.4 | |
| \$ 96 Terphenyl-d14 | 244 | 10.686 | 10.686 | 0.000 | 99 | 428705 | 50.0 | 52.1 | |
| 97 Butyl benzyl phthalate | 149 | 11.227 | 11.227 | 0.000 | 98 | 217071 | 50.0 | 50.3 | |
| 98 2,3,7,8-TCDD | 320 | 11.351 | 11.351 | 0.000 | 16 | 506 | 0.5000 | 0.5000 | |
| 99 Carbamazepine | 193 | 11.363 | 11.363 | 0.000 | 93 | 181726 | 50.0 | 49.3 | |
| 100 3,3'-Dichlorobenzidine | 252 | 11.886 | 11.886 | 0.000 | 99 | 155552 | 50.0 | 50.8 | |
| 101 Benzo[a]anthracene | 228 | 11.921 | 11.921 | 0.000 | 97 | 455060 | 50.0 | 48.1 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 99 | 295119 | 40.0 | 40.0 | |
| 104 Bis(2-ethylhexyl) phthalat | 149 | 11.951 | 11.951 | 0.000 | 89 | 307888 | 50.0 | 50.1 | |
| 103 Chrysene | 228 | 11.968 | 11.968 | 0.000 | 99 | 410527 | 50.0 | 49.4 | |
| 105 Di-n-octyl phthalate | 149 | 12.839 | 12.839 | 0.000 | 97 | 478963 | 50.0 | 50.6 | |
| 106 Benzo[b]fluoranthene | 252 | 13.380 | 13.380 | 0.000 | 98 | 345408 | 50.0 | 48.2 | |
| 107 Benzo[k]fluoranthene | 252 | 13.421 | 13.421 | 0.000 | 99 | 362959 | 50.0 | 50.2 | |
| 108 Benzo[a]pyrene | 252 | 13.839 | 13.839 | 0.000 | 97 | 329172 | 50.0 | 49.6 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 98 | 221565 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 15.556 | 15.556 | 0.000 | 99 | 279423 | 50.0 | 49.7 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.598 | 15.598 | 0.000 | 97 | 282114 | 50.0 | 51.2 | |
| 112 Benzo[g,h,i]perylene | 276 | 16.021 | 16.021 | 0.000 | 98 | 275203 | 50.0 | 50.2 | |

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178271.D

Injection Date: 06-Apr-2016 12:45:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: ics

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

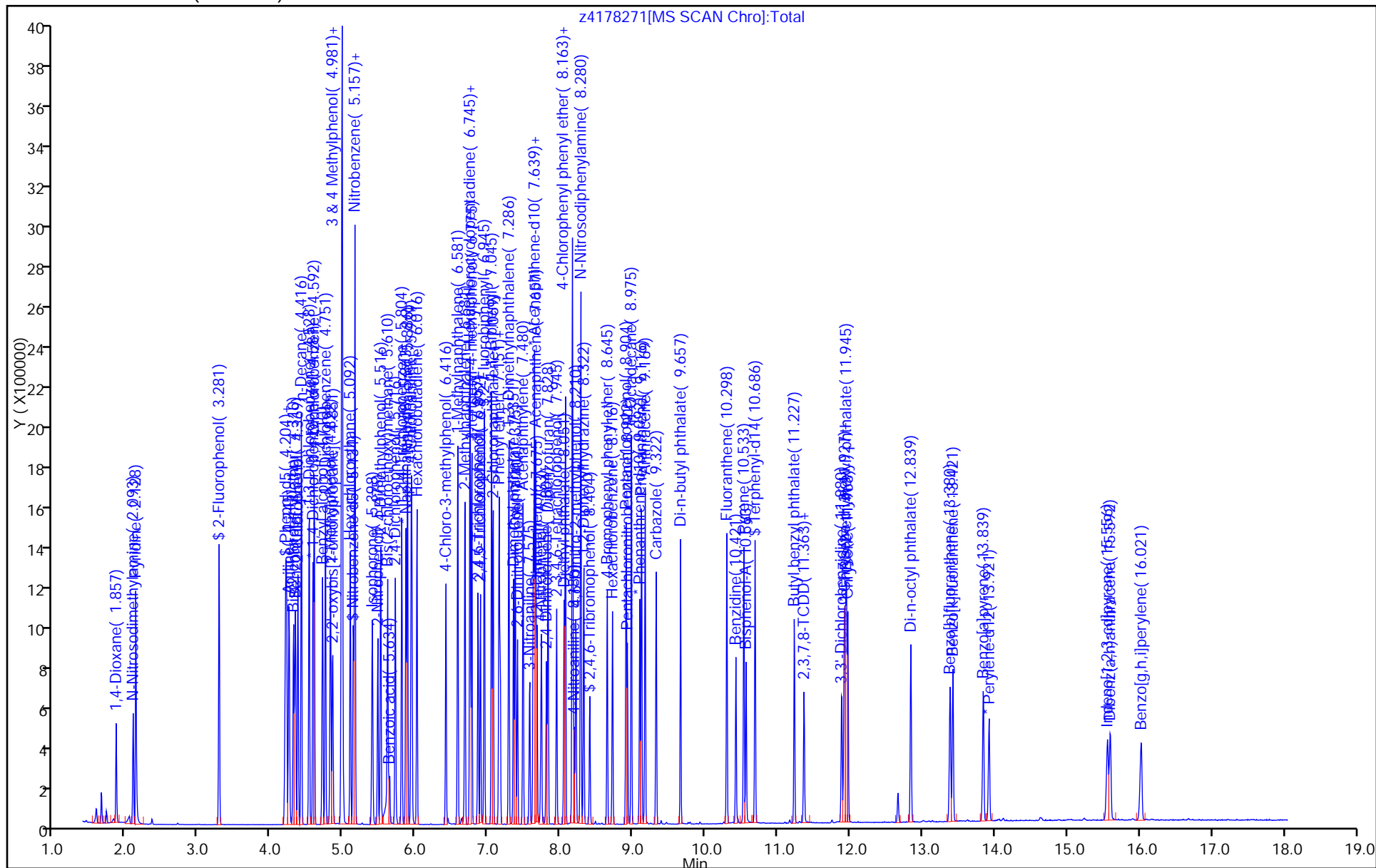
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178272.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 06-Apr-2016 13:16:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-003
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:06:43 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:45:31

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.852 | 1.857 | -0.005 | 92 | 340985 | 120.0 | 129.3 | |
| 2 N-Nitrosodimethylamine | 74 | 2.099 | 2.093 | 0.006 | 90 | 452988 | 120.0 | 128.9 | |
| 3 Pyridine | 79 | 2.128 | 2.128 | 0.000 | 96 | 808862 | 120.0 | 127.1 | |
| \$ 4 2-Fluorophenol | 112 | 3.287 | 3.281 | 0.006 | 92 | 793321 | 120.0 | 143.8 | |
| \$ 6 Phenol-d5 | 99 | 4.216 | 4.198 | 0.018 | 96 | 928687 | 120.0 | 138.7 | |
| 7 Phenol | 94 | 4.234 | 4.216 | 0.018 | 96 | 857556 | 120.0 | 129.7 | |
| 8 Aniline | 93 | 4.257 | 4.245 | 0.012 | 98 | 1035316 | 120.0 | 130.3 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.322 | 4.310 | 0.012 | 99 | 678425 | 120.0 | 129.4 | |
| 10 Benzonitrile | 103 | 4.351 | 4.334 | 0.017 | 0 | 1239270 | NC | NC | |
| 11 2-Chlorophenol | 128 | 4.381 | 4.369 | 0.012 | 94 | 643696 | 120.0 | 125.5 | |
| 12 n-Decane | 43 | 4.422 | 4.416 | 0.006 | 85 | 681172 | 120.0 | 134.0 | |
| 13 1,3-Dichlorobenzene | 146 | 4.534 | 4.528 | 0.006 | 93 | 770058 | 120.0 | 127.6 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 97 | 155512 | 40.0 | 40.0 | |
| 15 1,4-Dichlorobenzene | 146 | 4.598 | 4.592 | 0.006 | 92 | 778483 | 120.0 | 125.9 | |
| 16 Benzyl alcohol | 108 | 4.728 | 4.710 | 0.018 | 90 | 391736 | 120.0 | 126.3 | |
| 17 1,2-Dichlorobenzene | 146 | 4.757 | 4.751 | 0.006 | 93 | 719542 | 120.0 | 126.1 | |
| 18 2-Methylphenol | 108 | 4.834 | 4.822 | 0.012 | 86 | 567211 | 120.0 | 124.4 | |
| 19 2,2'-oxybis[1-chloropropan | 45 | 4.857 | 4.851 | 0.006 | 88 | 624793 | 120.0 | 130.1 | |
| 20 N-Methylaniline | 106 | 4.981 | 4.969 | 0.012 | 0 | 995496 | NC | NC | |
| 24 4-Methylphenol | 108 | 4.998 | 4.981 | 0.017 | 65 | 642566 | 120.0 | 124.9 | |
| 22 Acetophenone | 105 | 4.998 | 4.981 | 0.017 | 92 | 882236 | 120.0 | 127.5 | |
| 23 3 & 4 Methylphenol | 108 | 4.998 | 4.981 | 0.017 | 67 | 642566 | 120.0 | 124.9 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 5.022 | 4.987 | 0.035 | 81 | 476214 | 120.0 | 124.8 | |
| 25 Hexachloroethane | 117 | 5.098 | 5.092 | 0.006 | 94 | 308880 | 120.0 | 125.6 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.145 | 5.134 | 0.011 | 90 | 829710 | 120.0 | 141.1 | |
| 27 Nitrobenzene | 77 | 5.169 | 5.157 | 0.012 | 94 | 1016242 | 120.0 | 127.8 | |
| 28 n,n'-Dimethylaniline | 120 | 5.169 | 5.157 | 0.012 | 88 | 1012442 | 120.0 | 129.3 | |
| 31 Isophorone | 82 | 5.416 | 5.398 | 0.018 | 99 | 1083812 | 120.0 | 127.8 | |
| 32 2-Nitrophenol | 139 | 5.481 | 5.475 | 0.006 | 85 | 312423 | 120.0 | 127.8 | |
| 33 2,4-Dimethylphenol | 122 | 5.528 | 5.516 | 0.012 | 87 | 484822 | 120.0 | 126.6 | |
| 34 Bis(2-chloroethoxy)methane | 93 | 5.616 | 5.610 | 0.006 | 100 | 687578 | 120.0 | 129.1 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 Benzoic acid | 122 | 5.687 | 5.639 | 0.048 | 87 | 285541 | 120.0 | 128.6 | |
| 36 2,4-Dichlorophenol | 162 | 5.728 | 5.716 | 0.012 | 95 | 481070 | 120.0 | 128.1 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.810 | 5.804 | 0.006 | 93 | 562337 | 120.0 | 125.2 | |
| * 38 Naphthalene-d8 | 136 | 5.869 | 5.863 | 0.006 | 100 | 498439 | 40.0 | 40.0 | |
| 39 Naphthalene | 128 | 5.892 | 5.886 | 0.006 | 99 | 1670017 | 120.0 | 128.1 | |
| 40 4-Chloroaniline | 127 | 5.945 | 5.934 | 0.011 | 95 | 664759 | 120.0 | 129.5 | |
| 41 Hexachlorobutadiene | 225 | 6.022 | 6.016 | 0.006 | 95 | 375511 | 120.0 | 126.1 | |
| 43 4-Chloro-3-methylphenol | 107 | 6.422 | 6.416 | 0.006 | 94 | 479287 | 120.0 | 127.4 | |
| 45 1-Methylnaphthalene | 142 | 6.586 | 6.581 | 0.005 | 93 | 1055857 | 120.0 | 129.1 | |
| 44 2-Methylnaphthalene | 142 | 6.686 | 6.681 | 0.005 | 83 | 909420 | 120.0 | 128.3 | |
| 46 Hexachlorocyclopentadiene | 237 | 6.751 | 6.745 | 0.006 | 97 | 393170 | 120.0 | 134.3 | |
| 47 1,2,4,5-Tetrachlorobenzene | 216 | 6.757 | 6.751 | 0.006 | 96 | 553827 | 120.0 | 125.7 | |
| 48 2-tertbutyl-4-methylphenol | 149 | 6.781 | 6.775 | 0.006 | 90 | 774715 | 120.0 | 129.6 | |
| 49 2,4,6-Trichlorophenol | 196 | 6.863 | 6.857 | 0.006 | 89 | 325601 | 120.0 | 122.1 | |
| 50 2,4,5-Trichlorophenol | 196 | 6.898 | 6.892 | 0.006 | 97 | 343600 | 120.0 | 127.4 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.951 | 6.945 | 0.006 | 97 | 1303542 | 120.0 | 140.2 | |
| 52 1,1'-Biphenyl | 154 | 7.051 | 7.045 | 0.006 | 96 | 1224804 | 120.0 | 127.5 | |
| 53 2-Chloronaphthalene | 162 | 7.075 | 7.069 | 0.006 | 97 | 949352 | 120.0 | 125.6 | |
| 54 Phenyl ether | 170 | 7.157 | 7.151 | 0.006 | 85 | 660126 | 120.0 | 127.2 | |
| 55 2-Nitroaniline | 65 | 7.175 | 7.163 | 0.012 | 94 | 360925 | 120.0 | 126.0 | |
| 57 1,3-Dimethylnaphthalene | 156 | 7.292 | 7.286 | 0.006 | 91 | 729690 | 120.0 | 122.6 | |
| 58 Dimethyl phthalate | 163 | 7.363 | 7.351 | 0.012 | 98 | 978782 | 120.0 | 128.2 | |
| 59 Coumarin | 146 | 7.386 | 7.375 | 0.011 | 72 | 297839 | 120.0 | 128.0 | |
| 60 2,6-Dinitrotoluene | 165 | 7.416 | 7.404 | 0.012 | 95 | 233917 | 120.0 | 132.6 | |
| 63 Acenaphthylene | 152 | 7.486 | 7.480 | 0.006 | 97 | 1356755 | 120.0 | 127.1 | |
| 64 3-Nitroaniline | 138 | 7.586 | 7.575 | 0.011 | 92 | 222848 | 120.0 | 127.7 | |
| * 65 Acenaphthene-d10 | 164 | 7.628 | 7.622 | 0.006 | 92 | 247410 | 40.0 | 40.0 | |
| 66 3,5-di-tert-butyl-4-hydrox | 205 | 7.645 | 7.639 | 0.006 | 96 | 1126548 | 120.0 | 129.6 | |
| 67 Acenaphthene | 154 | 7.663 | 7.657 | 0.006 | 95 | 908634 | 120.0 | 119.7 | |
| 68 2,4-Dinitrophenol | 184 | 7.692 | 7.675 | 0.017 | 97 | 329807 | 240.0 | 264.4 | |
| 69 4-Nitrophenol | 65 | 7.751 | 7.733 | 0.018 | 92 | 384061 | 240.0 | 265.9 | |
| 70 2,4-Dinitrotoluene | 165 | 7.816 | 7.804 | 0.012 | 93 | 290886 | 120.0 | 129.9 | |
| 71 Dibenzofuran | 168 | 7.833 | 7.828 | 0.005 | 96 | 1251295 | 120.0 | 127.0 | |
| 72 2,3,4,6-Tetrachlorophenol | 232 | 7.951 | 7.945 | 0.006 | 94 | 273452 | 120.0 | 125.3 | |
| 73 Diethyl phthalate | 149 | 8.057 | 8.051 | 0.006 | 98 | 916752 | 120.0 | 129.3 | |
| 74 Fluorene | 166 | 8.175 | 8.163 | 0.012 | 96 | 1030790 | 120.0 | 128.4 | |
| 75 4-Chlorophenyl phenyl ethe | 204 | 8.169 | 8.163 | 0.006 | 88 | 512965 | 120.0 | 127.6 | |
| 76 4-Nitroaniline | 138 | 8.210 | 8.186 | 0.024 | 85 | 190279 | 120.0 | 116.9 | |
| 77 4,6-Dinitro-2-methylphenol | 198 | 8.233 | 8.210 | 0.023 | 88 | 380518 | 240.0 | 271.0 | |
| 78 N-Nitrosodiphenylamine | 169 | 8.292 | 8.280 | 0.012 | 67 | 1401541 | 240.0 | 257.1 | |
| 79 1,2-Diphenylhydrazine | 77 | 8.328 | 8.322 | 0.006 | 97 | 1057580 | 120.0 | 127.0 | |
| \$ 80 2,4,6-Tribromophenol | 330 | 8.410 | 8.404 | 0.006 | 92 | 144550 | 120.0 | 136.1 | |
| 81 4-Bromophenyl phenyl ether | 248 | 8.651 | 8.645 | 0.006 | 88 | 290029 | 120.0 | 128.0 | |
| 82 Hexachlorobenzene | 284 | 8.722 | 8.716 | 0.006 | 97 | 274848 | 120.0 | 127.2 | |
| 84 Pentachlorophenol | 266 | 8.916 | 8.904 | 0.012 | 92 | 371394 | 240.0 | 264.4 | |
| 85 Pentachloronitrobenzene | 237 | 8.928 | 8.922 | 0.006 | 87 | 117986 | 120.0 | 118.2 | |
| 86 n-Octadecane | 57 | 8.980 | 8.975 | 0.006 | 91 | 656376 | 120.0 | 133.8 | |
| * 87 Phenanthrene-d10 | 188 | 9.098 | 9.092 | 0.006 | 99 | 352378 | 40.0 | 40.0 | |
| 88 Phenanthrene | 178 | 9.128 | 9.116 | 0.012 | 98 | 1306012 | 120.0 | 127.0 | |
| 89 Anthracene | 178 | 9.175 | 9.169 | 0.006 | 98 | 1323237 | 120.0 | 127.5 | |
| 90 Carbazole | 167 | 9.327 | 9.322 | 0.005 | 96 | 1085649 | 120.0 | 127.8 | |
| 91 Di-n-butyl phthalate | 149 | 9.663 | 9.657 | 0.006 | 99 | 1349277 | 120.0 | 131.0 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 92 Fluoranthene | 202 | 10.304 | 10.298 | 0.006 | 98 | 1246003 | 120.0 | 128.5 | |
| 93 Benzidine | 184 | 10.427 | 10.421 | 0.006 | 99 | 687941 | 120.0 | 132.3 | |
| 94 Pyrene | 202 | 10.539 | 10.533 | 0.006 | 98 | 1253763 | 120.0 | 124.5 | |
| 95 Bisphenol-A | 213 | 10.569 | 10.563 | 0.006 | 99 | 559305 | 120.0 | 127.7 | |
| \$ 96 Terphenyl-d14 | 244 | 10.692 | 10.686 | 0.006 | 99 | 1057352 | 120.0 | 140.1 | |
| 97 Butyl benzyl phthalate | 149 | 11.233 | 11.227 | 0.006 | 98 | 499919 | 120.0 | 126.4 | |
| 99 Carbamazepine | 193 | 11.374 | 11.363 | 0.011 | 92 | 452529 | 120.0 | 134.0 | |
| 100 3,3'-Dichlorobenzidine | 252 | 11.892 | 11.886 | 0.006 | 100 | 353547 | 120.0 | 126.0 | |
| 101 Benzo[a]anthracene | 228 | 11.927 | 11.921 | 0.006 | 98 | 1043984 | 120.0 | 120.4 | |
| * 102 Chrysene-d12 | 240 | 11.939 | 11.933 | 0.006 | 99 | 270454 | 40.0 | 40.0 | |
| 104 Bis(2-ethylhexyl) phthalat | 149 | 11.957 | 11.951 | 0.006 | 89 | 731466 | 120.0 | 129.9 | |
| 103 Chrysene | 228 | 11.980 | 11.968 | 0.012 | 99 | 952417 | 120.0 | 125.0 | |
| 105 Di-n-octyl phthalate | 149 | 12.845 | 12.839 | 0.006 | 97 | 1137703 | 120.0 | 130.1 | |
| 106 Benzo[b]fluoranthene | 252 | 13.392 | 13.380 | 0.012 | 99 | 834011 | 120.0 | 125.9 | |
| 107 Benzo[k]fluoranthene | 252 | 13.433 | 13.421 | 0.012 | 100 | 830700 | 120.0 | 124.4 | |
| 108 Benzo[a]pyrene | 252 | 13.851 | 13.839 | 0.012 | 97 | 772810 | 120.0 | 126.0 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 98 | 204703 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 15.574 | 15.556 | 0.018 | 99 | 689592 | 120.0 | 132.8 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.615 | 15.598 | 0.017 | 97 | 678356 | 120.0 | 133.1 | |
| 112 Benzo[g,h,i]perylene | 276 | 16.045 | 16.021 | 0.024 | 98 | 663476 | 120.0 | 131.0 | |
| S 119 Total Cresols | 1 | | | | 0 | | | 249.3 | |

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L8_00010

Amount Added: 1.00

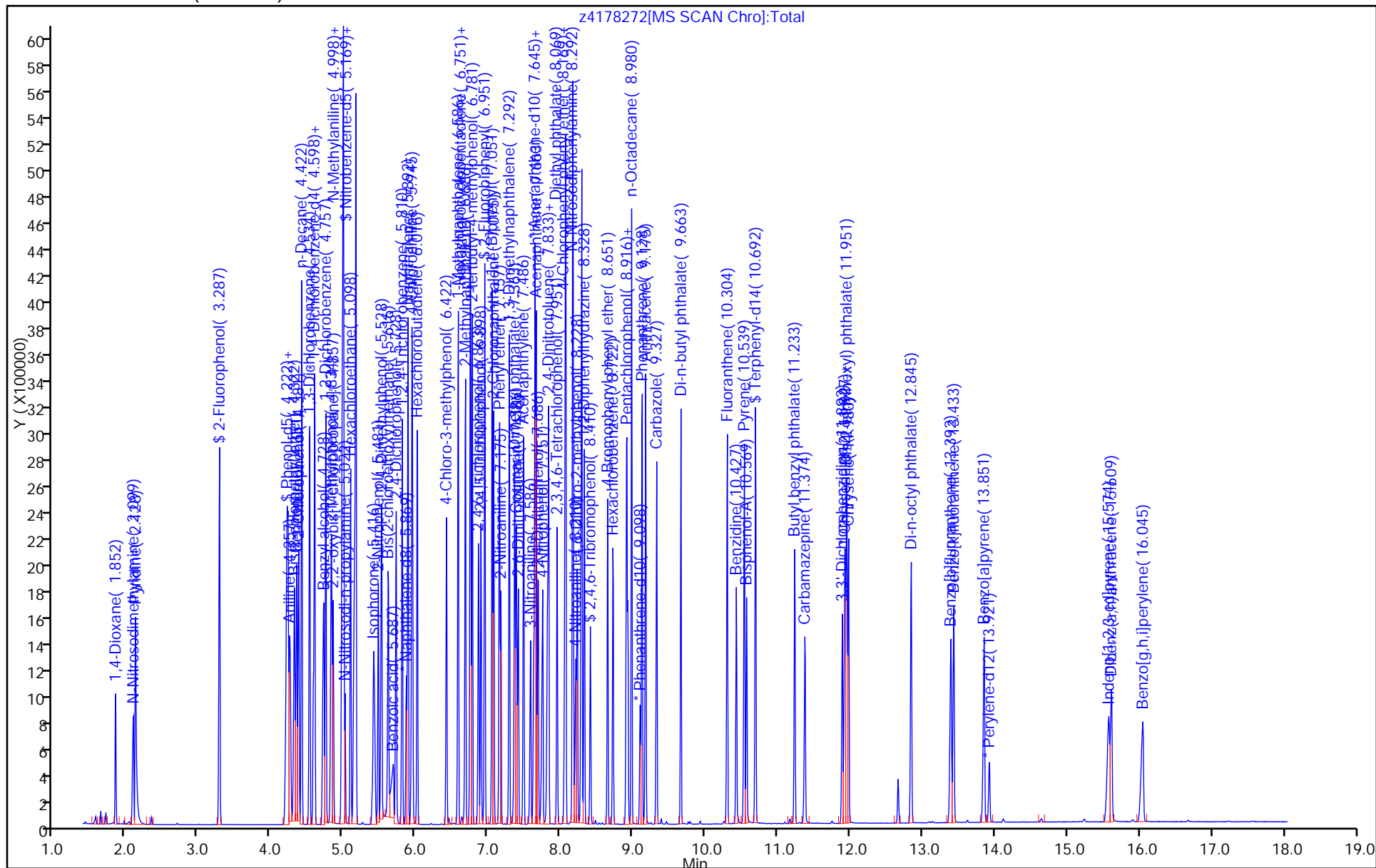
Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178272.D
Injection Date: 06-Apr-2016 13:16:30 Instrument ID: CBNAMS11
Lims ID: std120
Client ID:
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm)

Operator ID:
Worklist Smp#: 3

ALS Bottle#: 3



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178273.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 06-Apr-2016 13:40:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-004
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:06:54 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:47:22

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.857 | 1.857 | 0.000 | 92 | 216077 | 80.0 | 81.2 | |
| 2 N-Nitrosodimethylamine | 74 | 2.099 | 2.093 | 0.006 | 89 | 281496 | 80.0 | 79.4 | |
| 3 Pyridine | 79 | 2.134 | 2.128 | 0.006 | 96 | 508717 | 80.0 | 79.2 | |
| \$ 4 2-Fluorophenol | 112 | 3.287 | 3.281 | 0.006 | 92 | 434242 | 80.0 | 78.0 | |
| \$ 6 Phenol-d5 | 99 | 4.204 | 4.198 | 0.006 | 94 | 513805 | 80.0 | 76.0 | |
| 7 Phenol | 94 | 4.222 | 4.216 | 0.006 | 98 | 529416 | 80.0 | 79.4 | |
| 8 Aniline | 93 | 4.251 | 4.245 | 0.006 | 99 | 637426 | 80.0 | 79.5 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.316 | 4.310 | 0.006 | 99 | 414246 | 80.0 | 78.3 | |
| 10 Benzonitrile | 103 | 4.345 | 4.334 | 0.011 | 0 | 757583 | NC | NC | |
| 11 2-Chlorophenol | 128 | 4.375 | 4.369 | 0.006 | 93 | 407815 | 80.0 | 78.8 | |
| 12 n-Decane | 43 | 4.422 | 4.416 | 0.006 | 84 | 425857 | 80.0 | 83.0 | |
| 13 1,3-Dichlorobenzene | 146 | 4.528 | 4.528 | 0.000 | 92 | 489592 | 80.0 | 80.4 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 98 | 156913 | 40.0 | 40.0 | |
| 15 1,4-Dichlorobenzene | 146 | 4.598 | 4.592 | 0.006 | 92 | 494563 | 80.0 | 79.3 | |
| 16 Benzyl alcohol | 108 | 4.716 | 4.710 | 0.006 | 90 | 245687 | 80.0 | 78.5 | |
| 17 1,2-Dichlorobenzene | 146 | 4.751 | 4.751 | 0.000 | 93 | 455330 | 80.0 | 79.1 | |
| 18 2-Methylphenol | 108 | 4.822 | 4.822 | 0.000 | 86 | 357039 | 80.0 | 77.6 | |
| 19 2,2'-oxybis[1-chloropropan | 45 | 4.851 | 4.851 | 0.000 | 86 | 386288 | 80.0 | 79.7 | |
| 20 N-Methylaniline | 106 | 4.975 | 4.969 | 0.006 | 0 | 609474 | NC | NC | |
| 24 4-Methylphenol | 108 | 4.987 | 4.981 | 0.006 | 82 | 411642 | 80.0 | 79.3 | |
| 22 Acetophenone | 105 | 4.987 | 4.981 | 0.006 | 89 | 552299 | 80.0 | 79.1 | |
| 23 3 & 4 Methylphenol | 108 | 4.987 | 4.981 | 0.006 | 86 | 411642 | 80.0 | 79.3 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.992 | 4.987 | 0.005 | 86 | 294356 | 80.0 | 76.5 | |
| 25 Hexachloroethane | 117 | 5.092 | 5.092 | 0.000 | 93 | 197450 | 80.0 | 79.6 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.140 | 5.134 | 0.006 | 87 | 462296 | 80.0 | 79.0 | |
| 27 Nitrobenzene | 77 | 5.163 | 5.157 | 0.006 | 92 | 636073 | 80.0 | 80.3 | |
| 28 n,n'-Dimethylaniline | 120 | 5.163 | 5.157 | 0.006 | 88 | 615618 | 80.0 | 77.9 | |
| 31 Isophorone | 82 | 5.404 | 5.398 | 0.006 | 100 | 668673 | 80.0 | 79.2 | |
| 32 2-Nitrophenol | 139 | 5.475 | 5.475 | 0.000 | 85 | 197936 | 80.0 | 81.3 | |
| 33 2,4-Dimethylphenol | 122 | 5.516 | 5.516 | 0.000 | 87 | 308238 | 80.0 | 80.8 | |
| 34 Bis(2-chloroethoxy)methane | 93 | 5.616 | 5.610 | 0.006 | 98 | 427840 | 80.0 | 80.7 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 Benzoic acid | 122 | 5.651 | 5.639 | 0.012 | 86 | 190039 | 80.0 | 86.0 | |
| 36 2,4-Dichlorophenol | 162 | 5.722 | 5.716 | 0.006 | 95 | 305713 | 80.0 | 81.7 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.810 | 5.804 | 0.006 | 94 | 356337 | 80.0 | 79.6 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 496346 | 40.0 | 40.0 | |
| 39 Naphthalene | 128 | 5.887 | 5.886 | 0.001 | 99 | 1047148 | 80.0 | 80.7 | |
| 40 4-Chloroaniline | 127 | 5.939 | 5.934 | 0.005 | 95 | 415643 | 80.0 | 81.3 | |
| 41 Hexachlorobutadiene | 225 | 6.016 | 6.016 | 0.000 | 95 | 242378 | 80.0 | 81.7 | |
| 43 4-Chloro-3-methylphenol | 107 | 6.416 | 6.416 | 0.000 | 94 | 300775 | 80.0 | 80.3 | |
| 45 1-Methylnaphthalene | 142 | 6.581 | 6.581 | 0.000 | 94 | 664790 | 80.0 | 81.6 | |
| 44 2-Methylnaphthalene | 142 | 6.681 | 6.681 | 0.000 | 83 | 569039 | 80.0 | 80.6 | |
| 46 Hexachlorocyclopentadiene | 237 | 6.745 | 6.745 | 0.000 | 96 | 243498 | 80.0 | 83.9 | |
| 47 1,2,4,5-Tetrachlorobenzene | 216 | 6.751 | 6.751 | 0.000 | 96 | 347876 | 80.0 | 79.6 | |
| 48 2-tertbutyl-4-methylphenol | 149 | 6.775 | 6.775 | 0.000 | 90 | 476838 | 80.0 | 80.1 | |
| 49 2,4,6-Trichlorophenol | 196 | 6.863 | 6.857 | 0.006 | 90 | 204075 | 80.0 | 77.2 | |
| 50 2,4,5-Trichlorophenol | 196 | 6.892 | 6.892 | 0.000 | 97 | 218157 | 80.0 | 81.5 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.945 | 6.945 | 0.000 | 98 | 735758 | 80.0 | 79.8 | |
| 52 1,1'-Biphenyl | 154 | 7.051 | 7.045 | 0.006 | 95 | 765969 | 80.0 | 80.4 | |
| 53 2-Chloronaphthalene | 162 | 7.069 | 7.069 | 0.000 | 96 | 593843 | 80.0 | 79.2 | |
| 54 Phenyl ether | 170 | 7.151 | 7.151 | 0.000 | 85 | 398116 | 80.0 | 77.4 | |
| 55 2-Nitroaniline | 65 | 7.169 | 7.163 | 0.006 | 94 | 225804 | 80.0 | 79.5 | |
| 57 1,3-Dimethylnaphthalene | 156 | 7.286 | 7.286 | 0.000 | 92 | 444553 | 80.0 | 75.3 | |
| 58 Dimethyl phthalate | 163 | 7.351 | 7.351 | 0.000 | 99 | 604910 | 80.0 | 79.9 | |
| 59 Coumarin | 146 | 7.375 | 7.375 | 0.000 | 71 | 184893 | 80.0 | 79.8 | |
| 60 2,6-Dinitrotoluene | 165 | 7.410 | 7.404 | 0.006 | 95 | 143282 | 80.0 | 81.9 | |
| 63 Acenaphthylene | 152 | 7.481 | 7.480 | 0.001 | 97 | 833064 | 80.0 | 78.7 | |
| 64 3-Nitroaniline | 138 | 7.575 | 7.575 | 0.000 | 92 | 140580 | 80.0 | 81.2 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 93 | 245337 | 40.0 | 40.0 | |
| 66 3,5-di-tert-butyl-4-hydrox | 205 | 7.639 | 7.639 | 0.000 | 97 | 678269 | 80.0 | 78.7 | |
| 67 Acenaphthene | 154 | 7.657 | 7.657 | 0.000 | 95 | 551716 | 80.0 | 73.3 | |
| 68 2,4-Dinitrophenol | 184 | 7.681 | 7.675 | 0.006 | 96 | 203896 | 160.0 | 165.2 | |
| 69 4-Nitrophenol | 65 | 7.739 | 7.733 | 0.006 | 91 | 237896 | 160.0 | 166.1 | |
| 70 2,4-Dinitrotoluene | 165 | 7.810 | 7.804 | 0.006 | 93 | 178074 | 80.0 | 80.2 | |
| 71 Dibenzofuran | 168 | 7.828 | 7.828 | 0.000 | 96 | 781130 | 80.0 | 80.0 | |
| 72 2,3,4,6-Tetrachlorophenol | 232 | 7.945 | 7.945 | 0.000 | 95 | 172126 | 80.0 | 79.6 | |
| 73 Diethyl phthalate | 149 | 8.051 | 8.051 | 0.000 | 98 | 566073 | 80.0 | 80.5 | |
| 74 Fluorene | 166 | 8.169 | 8.163 | 0.006 | 96 | 633805 | 80.0 | 79.6 | |
| 75 4-Chlorophenyl phenyl ethe | 204 | 8.163 | 8.163 | 0.000 | 86 | 319293 | 80.0 | 80.1 | |
| 76 4-Nitroaniline | 138 | 8.192 | 8.186 | 0.006 | 89 | 134593 | 80.0 | 83.4 | |
| 77 4,6-Dinitro-2-methylphenol | 198 | 8.216 | 8.210 | 0.006 | 88 | 239188 | 160.0 | 170.8 | |
| 78 N-Nitrosodiphenylamine | 169 | 8.281 | 8.280 | 0.000 | 67 | 870882 | 160.0 | 160.1 | |
| 79 1,2-Diphenylhydrazine | 77 | 8.322 | 8.322 | 0.000 | 97 | 658613 | 80.0 | 79.2 | |
| \$ 80 2,4,6-Tribromophenol | 330 | 8.404 | 8.404 | 0.000 | 92 | 81840 | 80.0 | 77.7 | |
| 81 4-Bromophenyl phenyl ether | 248 | 8.645 | 8.645 | 0.000 | 88 | 181009 | 80.0 | 80.1 | |
| 82 Hexachlorobenzene | 284 | 8.716 | 8.716 | 0.000 | 97 | 172789 | 80.0 | 80.1 | |
| 84 Pentachlorophenol | 266 | 8.910 | 8.904 | 0.006 | 92 | 232066 | 160.0 | 165.6 | |
| 85 Pentachloronitrobenzene | 237 | 8.922 | 8.922 | 0.000 | 86 | 70796 | 80.0 | 71.1 | |
| 86 n-Octadecane | 57 | 8.975 | 8.975 | 0.001 | 91 | 403214 | 80.0 | 82.4 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 351569 | 40.0 | 40.0 | |
| 88 Phenanthrene | 178 | 9.122 | 9.116 | 0.006 | 98 | 806604 | 80.0 | 78.6 | |
| 89 Anthracene | 178 | 9.169 | 9.169 | 0.000 | 98 | 828342 | 80.0 | 80.0 | |
| 90 Carbazole | 167 | 9.322 | 9.322 | 0.000 | 96 | 674886 | 80.0 | 79.6 | |
| 91 Di-n-butyl phthalate | 149 | 9.657 | 9.657 | 0.000 | 99 | 839052 | 80.0 | 81.6 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 92 Fluoranthene | 202 | 10.298 | 10.298 | 0.000 | 98 | 773999 | 80.0 | 80.0 | |
| 93 Benzidine | 184 | 10.422 | 10.421 | 0.001 | 99 | 438285 | 80.0 | 84.5 | |
| 94 Pyrene | 202 | 10.533 | 10.533 | 0.000 | 98 | 776104 | 80.0 | 79.2 | |
| 95 Bisphenol-A | 213 | 10.563 | 10.563 | 0.000 | 99 | 355245 | 80.0 | 83.3 | |
| \$ 96 Terphenyl-d14 | 244 | 10.686 | 10.686 | 0.000 | 99 | 579148 | 80.0 | 78.8 | |
| 97 Butyl benzyl phthalate | 149 | 11.227 | 11.227 | 0.000 | 98 | 310155 | 80.0 | 80.5 | |
| 99 Carbamazepine | 193 | 11.369 | 11.363 | 0.006 | 92 | 271588 | 80.0 | 82.6 | |
| 100 3,3'-Dichlorobenzidine | 252 | 11.886 | 11.886 | 0.000 | 100 | 229074 | 80.0 | 83.8 | |
| 101 Benzo[a]anthracene | 228 | 11.921 | 11.921 | 0.000 | 98 | 649569 | 80.0 | 76.9 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 100 | 263302 | 40.0 | 40.0 | |
| 104 Bis(2-ethylhexyl) phthalat | 149 | 11.945 | 11.951 | -0.006 | 89 | 443572 | 80.0 | 80.9 | |
| 103 Chrysene | 228 | 11.969 | 11.968 | 0.000 | 99 | 583463 | 80.0 | 78.7 | |
| 105 Di-n-octyl phthalate | 149 | 12.839 | 12.839 | 0.000 | 97 | 687725 | 80.0 | 81.4 | |
| 106 Benzo[b]fluoranthene | 252 | 13.380 | 13.380 | 0.000 | 99 | 502598 | 80.0 | 78.5 | |
| 107 Benzo[k]fluoranthene | 252 | 13.421 | 13.421 | 0.000 | 99 | 521535 | 80.0 | 80.8 | |
| 108 Benzo[a]pyrene | 252 | 13.845 | 13.839 | 0.006 | 97 | 483716 | 80.0 | 81.6 | |
| * 109 Perylene-d12 | 264 | 13.915 | 13.921 | -0.006 | 98 | 197811 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 15.557 | 15.556 | 0.000 | 99 | 431504 | 80.0 | 86.0 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.598 | 15.598 | 0.000 | 98 | 417013 | 80.0 | 84.7 | |
| 112 Benzo[g,h,i]perylene | 276 | 16.027 | 16.021 | 0.006 | 98 | 407364 | 80.0 | 83.2 | |
| S 119 Total Cresols | 1 | | | | 0 | | | 156.9 | |

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

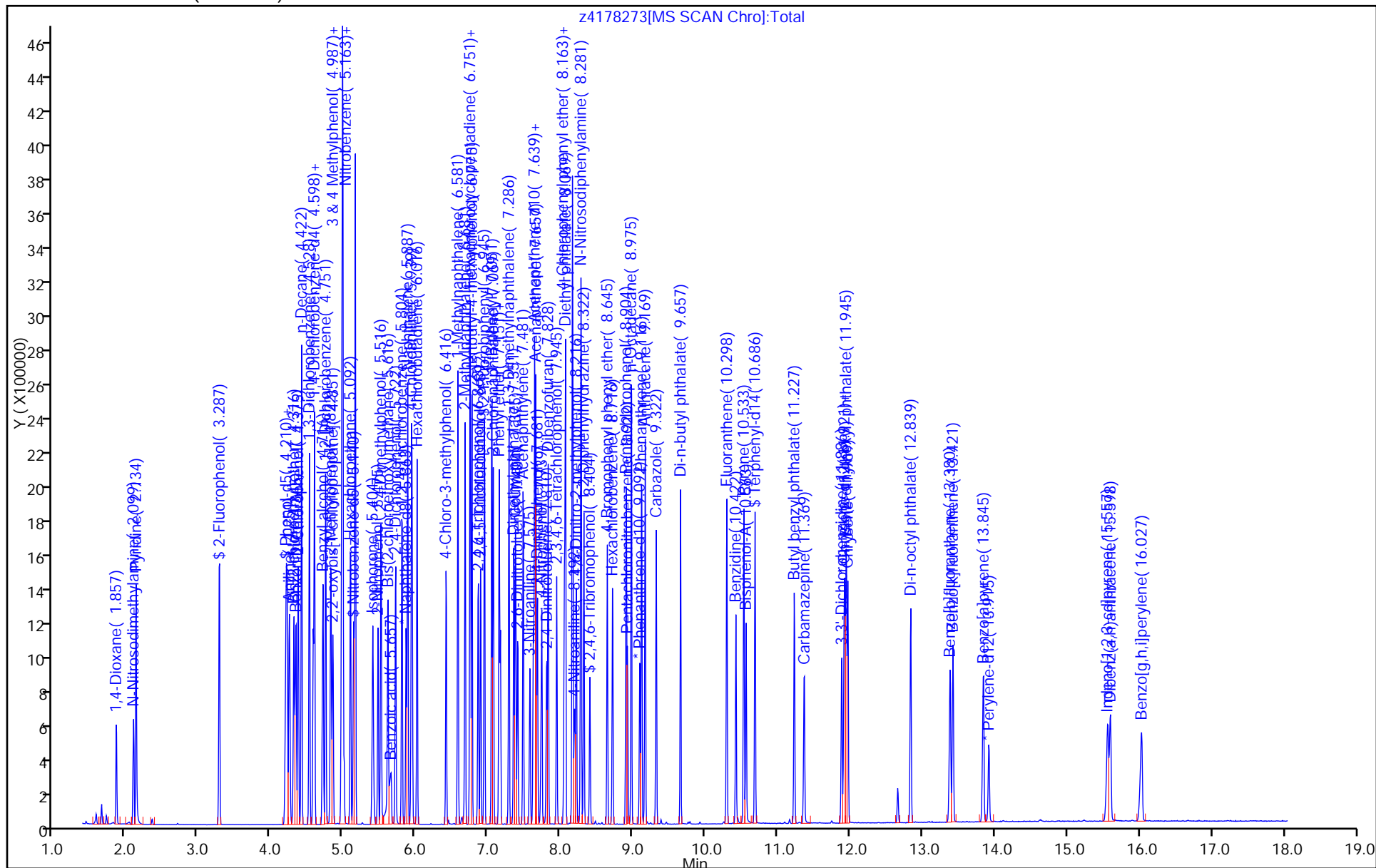
SV_IC_BNA_L7_00010

Amount Added: 1.00

Units: mL

| | | | |
|-----------------|--|----------------|---------------|
| Data File: | \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178273.D | | |
| Injection Date: | 06-Apr-2016 13:40:30 | Instrument ID: | CBNAMS11 |
| Lims ID: | std80 | | |
| Client ID: | | | |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 |
| Method: | 8270_11R_9 | Limit Group: | SV 8270D ICAL |
| Column: | Rtxi-5Sil MS (0.25 mm) | | |

Operator ID:
Worklist Smp#: 4
ALS Bottle#: 4



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178274.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 06-Apr-2016 14:04:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-005
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:01 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:49:35

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.863 | 1.857 | 0.006 | 93 | 54182 | 20.0 | 19.2 | |
| 2 N-Nitrosodimethylamine | 74 | 2.093 | 2.093 | 0.000 | 89 | 74559 | 20.0 | 19.8 | |
| 3 Pyridine | 79 | 2.134 | 2.128 | 0.006 | 96 | 136073 | 20.0 | 20.0 | |
| \$ 4 2-Fluorophenol | 112 | 3.281 | 3.281 | 0.000 | 92 | 110756 | 20.0 | 18.8 | |
| \$ 6 Phenol-d5 | 99 | 4.193 | 4.198 | -0.005 | 95 | 135014 | 20.0 | 18.8 | |
| 7 Phenol | 94 | 4.204 | 4.216 | -0.012 | 97 | 141914 | 20.0 | 20.1 | |
| 8 Aniline | 93 | 4.245 | 4.245 | 0.000 | 100 | 171687 | 20.0 | 20.2 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.304 | 4.310 | -0.006 | 99 | 111959 | 20.0 | 20.0 | |
| 10 Benzonitrile | 103 | 4.322 | 4.334 | -0.012 | 0 | 209314 | NC | NC | |
| 11 2-Chlorophenol | 128 | 4.363 | 4.369 | -0.006 | 92 | 110664 | 20.0 | 20.2 | |
| 12 n-Decane | 43 | 4.416 | 4.416 | 0.000 | 84 | 106767 | 20.0 | 19.6 | |
| 13 1,3-Dichlorobenzene | 146 | 4.522 | 4.528 | -0.006 | 92 | 128250 | 20.0 | 19.9 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 97 | 166330 | 40.0 | 40.0 | |
| 15 1,4-Dichlorobenzene | 146 | 4.593 | 4.592 | 0.001 | 94 | 131945 | 20.0 | 20.0 | |
| 16 Benzyl alcohol | 108 | 4.704 | 4.710 | -0.006 | 90 | 67889 | 20.0 | 20.5 | |
| 17 1,2-Dichlorobenzene | 146 | 4.751 | 4.751 | 0.000 | 92 | 123160 | 20.0 | 20.2 | |
| 18 2-Methylphenol | 108 | 4.816 | 4.822 | -0.006 | 85 | 99285 | 20.0 | 20.4 | |
| 19 2,2'-oxybis[1-chloropropan | 45 | 4.845 | 4.851 | -0.006 | 86 | 103808 | 20.0 | 20.2 | |
| 20 N-Methylaniline | 106 | 4.969 | 4.969 | 0.000 | 0 | 170822 | NC | NC | |
| 24 4-Methylphenol | 108 | 4.969 | 4.981 | -0.012 | 81 | 112247 | 20.0 | 20.4 | |
| 22 Acetophenone | 105 | 4.975 | 4.981 | -0.006 | 90 | 151917 | 20.0 | 20.5 | |
| 23 3 & 4 Methylphenol | 108 | 4.969 | 4.981 | -0.012 | 82 | 112247 | 20.0 | 20.4 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.975 | 4.987 | -0.012 | 87 | 82080 | 20.0 | 20.1 | |
| 25 Hexachloroethane | 117 | 5.092 | 5.092 | 0.000 | 92 | 52377 | 20.0 | 19.9 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.128 | 5.134 | -0.006 | 89 | 121573 | 20.0 | 18.4 | |
| 27 Nitrobenzene | 77 | 5.151 | 5.157 | -0.006 | 93 | 176925 | 20.0 | 19.8 | |
| 28 n,n'-Dimethylaniline | 120 | 5.157 | 5.157 | 0.000 | 94 | 170701 | 20.0 | 20.4 | |
| 31 Isophorone | 82 | 5.387 | 5.398 | -0.011 | 99 | 192119 | 20.0 | 20.2 | |
| 32 2-Nitrophenol | 139 | 5.475 | 5.475 | 0.000 | 86 | 53968 | 20.0 | 19.7 | |
| 33 2,4-Dimethylphenol | 122 | 5.510 | 5.516 | -0.006 | 86 | 85761 | 20.0 | 20.0 | |
| 34 Bis(2-chloroethoxy)methane | 93 | 5.604 | 5.610 | -0.006 | 99 | 118925 | 20.0 | 19.9 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 Benzoic acid | 122 | 5.598 | 5.639 | -0.041 | 86 | 53473 | 20.0 | 21.5 | |
| 36 2,4-Dichlorophenol | 162 | 5.710 | 5.716 | -0.006 | 94 | 84576 | 20.0 | 20.1 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.804 | 5.804 | 0.000 | 94 | 99319 | 20.0 | 19.7 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 559118 | 40.0 | 40.0 | |
| 39 Naphthalene | 128 | 5.881 | 5.886 | -0.005 | 99 | 291930 | 20.0 | 20.0 | |
| 40 4-Chloroaniline | 127 | 5.934 | 5.934 | 0.000 | 94 | 113132 | 20.0 | 19.7 | |
| 41 Hexachlorobutadiene | 225 | 6.016 | 6.016 | 0.000 | 95 | 67292 | 20.0 | 20.1 | |
| 43 4-Chloro-3-methylphenol | 107 | 6.410 | 6.416 | -0.006 | 94 | 84866 | 20.0 | 20.1 | |
| 45 1-Methylnaphthalene | 142 | 6.575 | 6.581 | -0.006 | 93 | 183614 | 20.0 | 20.0 | |
| 44 2-Methylnaphthalene | 142 | 6.675 | 6.681 | -0.006 | 83 | 159535 | 20.0 | 20.1 | |
| 46 Hexachlorocyclopentadiene | 237 | 6.745 | 6.745 | 0.000 | 96 | 62190 | 20.0 | 18.8 | |
| 47 1,2,4,5-Tetrachlorobenzene | 216 | 6.745 | 6.751 | -0.006 | 97 | 98220 | 20.0 | 19.7 | |
| 48 2-tertbutyl-4-methylphenol | 149 | 6.769 | 6.775 | -0.006 | 90 | 134406 | 20.0 | 20.0 | |
| 49 2,4,6-Trichlorophenol | 196 | 6.857 | 6.857 | 0.000 | 89 | 59340 | 20.0 | 19.7 | |
| 50 2,4,5-Trichlorophenol | 196 | 6.892 | 6.892 | 0.000 | 96 | 60326 | 20.0 | 19.8 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.945 | 6.945 | 0.000 | 98 | 194317 | 20.0 | 18.5 | |
| 52 1,1'-Biphenyl | 154 | 7.045 | 7.045 | 0.000 | 95 | 214575 | 20.0 | 19.8 | |
| 53 2-Chloronaphthalene | 162 | 7.063 | 7.069 | -0.006 | 97 | 170067 | 20.0 | 19.9 | |
| 54 Phenyl ether | 170 | 7.145 | 7.151 | -0.006 | 88 | 115479 | 20.0 | 19.7 | |
| 55 2-Nitroaniline | 65 | 7.157 | 7.163 | -0.006 | 94 | 64951 | 20.0 | 20.1 | |
| 57 1,3-Dimethylnaphthalene | 156 | 7.281 | 7.286 | -0.005 | 92 | 136053 | 20.0 | 20.2 | |
| 58 Dimethyl phthalate | 163 | 7.339 | 7.351 | -0.012 | 98 | 174090 | 20.0 | 20.2 | |
| 59 Coumarin | 146 | 7.369 | 7.375 | -0.006 | 72 | 53280 | 20.0 | 20.4 | |
| 60 2,6-Dinitrotoluene | 165 | 7.398 | 7.404 | -0.006 | 94 | 41237 | 20.0 | 20.7 | |
| 63 Acenaphthylene | 152 | 7.481 | 7.480 | 0.001 | 98 | 243260 | 20.0 | 20.2 | |
| 64 3-Nitroaniline | 138 | 7.563 | 7.575 | -0.012 | 91 | 39305 | 20.0 | 19.9 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 92 | 279477 | 40.0 | 40.0 | |
| 66 3,5-di-tert-butyl-4-hydrox | 205 | 7.633 | 7.639 | -0.006 | 96 | 195998 | 20.0 | 20.0 | |
| 67 Acenaphthene | 154 | 7.651 | 7.657 | -0.006 | 95 | 177974 | 20.0 | 20.8 | |
| 68 2,4-Dinitrophenol | 184 | 7.669 | 7.675 | -0.006 | 71 | 56236 | 40.0 | 40.8 | |
| 69 4-Nitrophenol | 65 | 7.728 | 7.733 | -0.005 | 91 | 66484 | 40.0 | 40.7 | |
| 70 2,4-Dinitrotoluene | 165 | 7.798 | 7.804 | -0.006 | 93 | 52397 | 20.0 | 20.7 | |
| 71 Dibenzofuran | 168 | 7.822 | 7.828 | -0.006 | 95 | 222458 | 20.0 | 20.0 | |
| 72 2,3,4,6-Tetrachlorophenol | 232 | 7.939 | 7.945 | -0.006 | 95 | 49903 | 20.0 | 20.2 | |
| 73 Diethyl phthalate | 149 | 8.039 | 8.051 | -0.012 | 98 | 164558 | 20.0 | 20.5 | |
| 74 Fluorene | 166 | 8.163 | 8.163 | 0.000 | 96 | 181909 | 20.0 | 20.1 | |
| 75 4-Chlorophenyl phenyl ethe | 204 | 8.157 | 8.163 | -0.006 | 87 | 92136 | 20.0 | 20.3 | |
| 76 4-Nitroaniline | 138 | 8.169 | 8.186 | -0.017 | 91 | 38714 | 20.0 | 21.0 | |
| 77 4,6-Dinitro-2-methylphenol | 198 | 8.204 | 8.210 | -0.006 | 87 | 65051 | 40.0 | 39.5 | |
| 78 N-Nitrosodiphenylamine | 169 | 8.275 | 8.280 | -0.005 | 67 | 250090 | 40.0 | 39.1 | |
| 79 1,2-Diphenylhydrazine | 77 | 8.316 | 8.322 | -0.006 | 97 | 189987 | 20.0 | 19.4 | |
| \$ 80 2,4,6-Tribromophenol | 330 | 8.398 | 8.404 | -0.006 | 93 | 22565 | 20.0 | 18.8 | |
| 81 4-Bromophenyl phenyl ether | 248 | 8.639 | 8.645 | -0.006 | 88 | 52851 | 20.0 | 19.9 | |
| 82 Hexachlorobenzene | 284 | 8.716 | 8.716 | 0.000 | 97 | 49334 | 20.0 | 19.5 | |
| 84 Pentachlorophenol | 266 | 8.904 | 8.904 | 0.000 | 91 | 65286 | 40.0 | 39.6 | |
| 85 Pentachloronitrobenzene | 237 | 8.922 | 8.922 | 0.000 | 88 | 23831 | 20.0 | 20.4 | |
| 86 n-Octadecane | 57 | 8.975 | 8.975 | 0.001 | 90 | 109338 | 20.0 | 19.0 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 413362 | 40.0 | 40.0 | |
| 88 Phenanthrene | 178 | 9.116 | 9.116 | 0.000 | 97 | 238082 | 20.0 | 19.7 | |
| 89 Anthracene | 178 | 9.163 | 9.169 | -0.006 | 99 | 240567 | 20.0 | 19.8 | |
| 90 Carbazole | 167 | 9.316 | 9.322 | -0.006 | 96 | 197376 | 20.0 | 19.8 | |
| 91 Di-n-butyl phthalate | 149 | 9.657 | 9.657 | 0.000 | 99 | 238113 | 20.0 | 19.7 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 92 Fluoranthene | 202 | 10.292 | 10.298 | -0.006 | 98 | 227913 | 20.0 | 20.0 | |
| 93 Benzidine | 184 | 10.416 | 10.421 | -0.005 | 99 | 119767 | 20.0 | 19.6 | |
| 94 Pyrene | 202 | 10.527 | 10.533 | -0.006 | 98 | 229883 | 20.0 | 19.8 | |
| 95 Bisphenol-A | 213 | 10.557 | 10.563 | -0.006 | 99 | 94804 | 20.0 | 18.8 | |
| \$ 96 Terphenyl-d14 | 244 | 10.680 | 10.686 | -0.006 | 99 | 160390 | 20.0 | 18.4 | |
| 97 Butyl benzyl phthalate | 149 | 11.222 | 11.227 | -0.005 | 98 | 92062 | 20.0 | 20.2 | |
| 99 Carbamazepine | 193 | 11.357 | 11.363 | -0.006 | 92 | 79392 | 20.0 | 20.4 | |
| 100 3,3'-Dichlorobenzidine | 252 | 11.880 | 11.886 | -0.006 | 100 | 63371 | 20.0 | 19.6 | |
| 101 Benzo[a]anthracene | 228 | 11.916 | 11.921 | -0.005 | 98 | 189060 | 20.0 | 18.9 | |
| * 102 Chrysene-d12 | 240 | 11.927 | 11.933 | -0.006 | 99 | 312220 | 40.0 | 40.0 | |
| 104 Bis(2-ethylhexyl) phthalat | 149 | 11.945 | 11.951 | -0.006 | 89 | 128934 | 20.0 | 19.8 | |
| 103 Chrysene | 228 | 11.963 | 11.968 | -0.005 | 99 | 175679 | 20.0 | 20.0 | |
| 105 Di-n-octyl phthalate | 149 | 12.833 | 12.839 | -0.006 | 97 | 199353 | 20.0 | 19.8 | |
| 106 Benzo[b]fluoranthene | 252 | 13.374 | 13.380 | -0.006 | 98 | 150211 | 20.0 | 19.7 | |
| 107 Benzo[k]fluoranthene | 252 | 13.410 | 13.421 | -0.011 | 100 | 148360 | 20.0 | 19.3 | |
| 108 Benzo[a]pyrene | 252 | 13.833 | 13.839 | -0.006 | 97 | 140074 | 20.0 | 19.9 | |
| * 109 Perylene-d12 | 264 | 13.915 | 13.921 | -0.006 | 98 | 235074 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 15.545 | 15.556 | -0.011 | 99 | 115942 | 20.0 | 19.4 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.580 | 15.598 | -0.018 | 97 | 118542 | 20.0 | 20.3 | |
| 112 Benzo[g,h,i]perylene | 276 | 16.004 | 16.021 | -0.017 | 98 | 113813 | 20.0 | 19.6 | |
| S 119 Total Cresols | 1 | | | | 0 | | | 40.8 | |

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

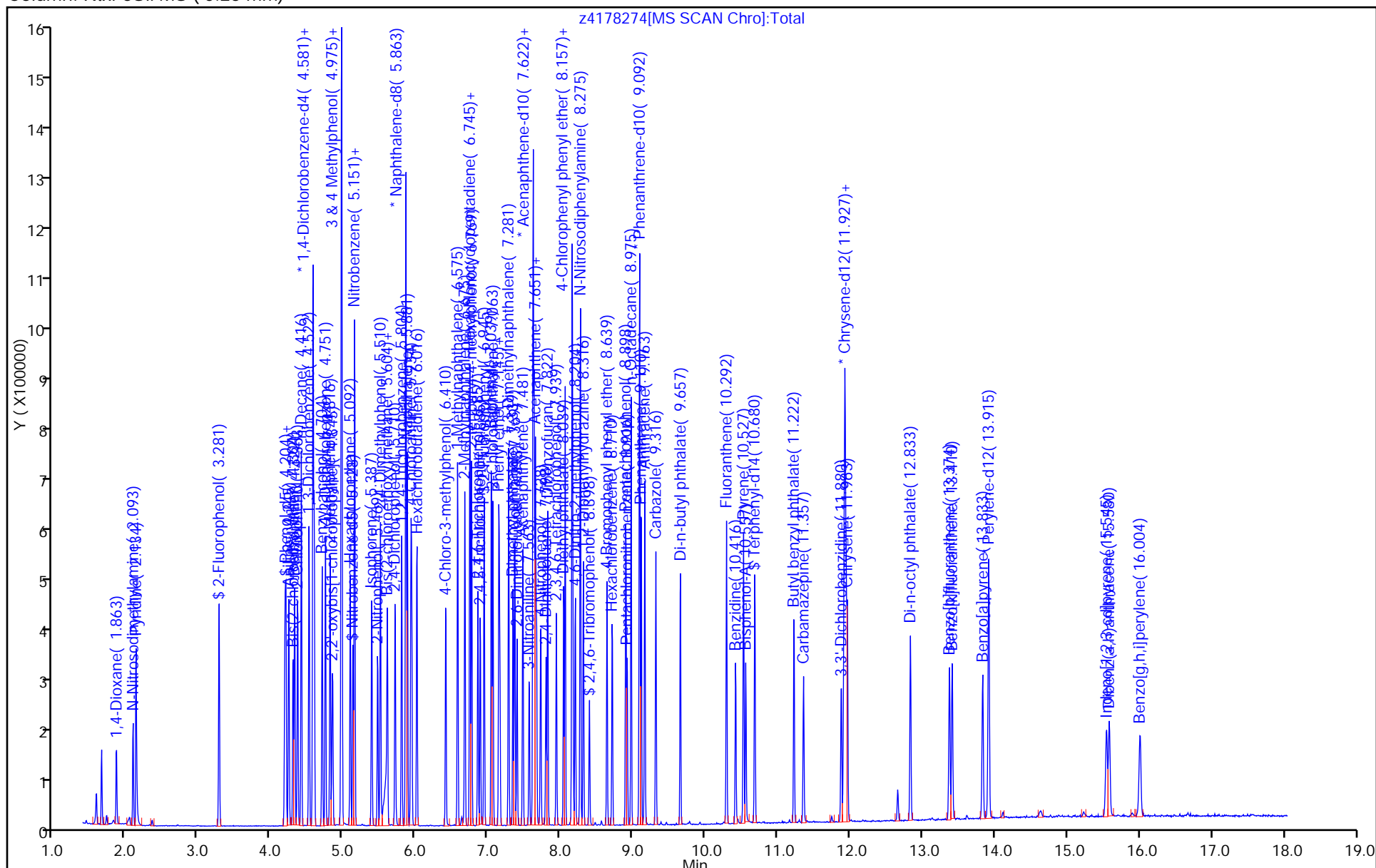
SV_IC_BNA_L5_00010

Amount Added: 1.00

Units: mL

| | | | |
|-----------------|--|----------------|---------------|
| Data File: | \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178274.D | | |
| Injection Date: | 06-Apr-2016 14:04:30 | Instrument ID: | CBNAMS11 |
| Lims ID: | std20 | | |
| Client ID: | | | |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 |
| Method: | 8270_11R_9 | Limit Group: | SV 8270D ICAL |
| Column: | Rtxi-5Sil MS (0.25 mm) | | |

ALS Bottle#: 5



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178275.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 06-Apr-2016 14:28:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-006
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:09 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:50:14

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.869 | 1.857 | 0.012 | 90 | 33503 | 10.0 | 10.0 | |
| 2 N-Nitrosodimethylamine | 74 | 2.098 | 2.093 | 0.005 | 90 | 44078 | 10.0 | 9.87 | |
| 3 Pyridine | 79 | 2.140 | 2.128 | 0.012 | 96 | 78837 | 10.0 | 9.76 | |
| \$ 4 2-Fluorophenol | 112 | 3.281 | 3.281 | 0.000 | 92 | 67137 | 10.0 | 9.58 | |
| \$ 6 Phenol-d5 | 99 | 4.187 | 4.198 | -0.012 | 89 | 80944 | 10.0 | 9.52 | |
| 7 Phenol | 94 | 4.198 | 4.216 | -0.018 | 97 | 80604 | 10.0 | 9.60 | |
| 8 Aniline | 93 | 4.239 | 4.245 | -0.006 | 99 | 98256 | 10.0 | 9.74 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.298 | 4.310 | -0.012 | 98 | 63600 | 10.0 | 9.55 | |
| 10 Benzonitrile | 103 | 4.322 | 4.334 | -0.012 | 0 | 118765 | NC | NC | |
| 11 2-Chlorophenol | 128 | 4.363 | 4.369 | -0.006 | 94 | 64006 | 10.0 | 9.83 | |
| 12 n-Decane | 43 | 4.416 | 4.416 | 0.000 | 83 | 60773 | 10.0 | 9.41 | |
| 13 1,3-Dichlorobenzene | 146 | 4.522 | 4.528 | -0.006 | 92 | 75529 | 10.0 | 9.86 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 97 | 197506 | 40.0 | 40.0 | |
| 15 1,4-Dichlorobenzene | 146 | 4.592 | 4.592 | 0.000 | 94 | 78414 | 10.0 | 9.99 | |
| 16 Benzyl alcohol | 108 | 4.704 | 4.710 | -0.006 | 90 | 38783 | 10.0 | 9.85 | |
| 17 1,2-Dichlorobenzene | 146 | 4.751 | 4.751 | 0.000 | 93 | 71619 | 10.0 | 9.88 | |
| 18 2-Methylphenol | 108 | 4.810 | 4.822 | -0.012 | 85 | 58209 | 10.0 | 10.0 | |
| 19 2,2'-oxybis[1-chloropropan | 45 | 4.845 | 4.851 | -0.006 | 85 | 58887 | 10.0 | 9.65 | |
| 20 N-Methylaniline | 106 | 4.969 | 4.969 | 0.000 | 0 | 97270 | NC | NC | |
| 24 4-Methylphenol | 108 | 4.969 | 4.981 | -0.012 | 82 | 64942 | 10.0 | 9.94 | |
| 22 Acetophenone | 105 | 4.975 | 4.981 | -0.006 | 92 | 85745 | 10.0 | 9.75 | |
| 23 3 & 4 Methylphenol | 108 | 4.969 | 4.981 | -0.012 | 87 | 64942 | 10.0 | 9.94 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.975 | 4.987 | -0.012 | 76 | 47377 | 10.0 | 9.78 | |
| 25 Hexachloroethane | 117 | 5.092 | 5.092 | 0.000 | 92 | 30410 | 10.0 | 9.74 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.128 | 5.134 | -0.006 | 87 | 74337 | 10.0 | 9.85 | |
| 27 Nitrobenzene | 77 | 5.151 | 5.157 | -0.006 | 95 | 101647 | 10.0 | 9.95 | |
| 28 n,n'-Dimethylaniline | 120 | 5.151 | 5.157 | -0.006 | 93 | 97661 | 10.0 | 9.82 | |
| 31 Isophorone | 82 | 5.386 | 5.398 | -0.012 | 99 | 108292 | 10.0 | 9.94 | |
| 32 2-Nitrophenol | 139 | 5.469 | 5.475 | -0.006 | 86 | 31010 | 10.0 | 9.87 | |
| 33 2,4-Dimethylphenol | 122 | 5.510 | 5.516 | -0.006 | 87 | 48649 | 10.0 | 9.89 | |
| 34 Bis(2-chloroethoxy)methane | 93 | 5.604 | 5.610 | -0.006 | 99 | 67450 | 10.0 | 9.86 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 Benzoic acid | 122 | 5.575 | 5.639 | -0.064 | 86 | 26122 | 10.0 | 9.16 | |
| 36 2,4-Dichlorophenol | 162 | 5.710 | 5.716 | -0.006 | 95 | 48153 | 10.0 | 9.98 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.804 | 5.804 | 0.000 | 94 | 57498 | 10.0 | 9.97 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 640076 | 40.0 | 40.0 | |
| 39 Naphthalene | 128 | 5.881 | 5.886 | -0.006 | 99 | 167435 | 10.0 | 10.0 | |
| 40 4-Chloroaniline | 127 | 5.928 | 5.934 | -0.006 | 94 | 64867 | 10.0 | 9.84 | |
| 41 Hexachlorobutadiene | 225 | 6.016 | 6.016 | 0.000 | 94 | 38670 | 10.0 | 10.1 | |
| 43 4-Chloro-3-methylphenol | 107 | 6.410 | 6.416 | -0.006 | 94 | 48234 | 10.0 | 9.99 | |
| 45 1-Methylnaphthalene | 142 | 6.575 | 6.581 | -0.006 | 94 | 103318 | 10.0 | 9.84 | |
| 44 2-Methylnaphthalene | 142 | 6.675 | 6.681 | -0.006 | 83 | 89493 | 10.0 | 9.83 | |
| 46 Hexachlorocyclopentadiene | 237 | 6.745 | 6.745 | 0.000 | 97 | 36127 | 10.0 | 9.62 | |
| 47 1,2,4,5-Tetrachlorobenzene | 216 | 6.745 | 6.751 | -0.006 | 97 | 56382 | 10.0 | 9.97 | |
| 48 2-tertbutyl-4-methylphenol | 149 | 6.769 | 6.775 | -0.006 | 90 | 75115 | 10.0 | 9.78 | |
| 49 2,4,6-Trichlorophenol | 196 | 6.857 | 6.857 | 0.000 | 90 | 34340 | 10.0 | 10.0 | |
| 50 2,4,5-Trichlorophenol | 196 | 6.886 | 6.892 | -0.006 | 97 | 34795 | 10.0 | 10.1 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.945 | 6.945 | 0.000 | 98 | 115952 | 10.0 | 9.72 | |
| 52 1,1'-Biphenyl | 154 | 7.039 | 7.045 | -0.006 | 97 | 120601 | 10.0 | 9.78 | |
| 53 2-Chloronaphthalene | 162 | 7.063 | 7.069 | -0.006 | 96 | 97462 | 10.0 | 10.0 | |
| 54 Phenyl ether | 170 | 7.145 | 7.151 | -0.006 | 89 | 64949 | 10.0 | 9.76 | |
| 55 2-Nitroaniline | 65 | 7.157 | 7.163 | -0.006 | 94 | 36633 | 10.0 | 9.97 | |
| 57 1,3-Dimethylnaphthalene | 156 | 7.280 | 7.286 | -0.006 | 91 | 75126 | 10.0 | 9.84 | |
| 58 Dimethyl phthalate | 163 | 7.339 | 7.351 | -0.012 | 98 | 95237 | 10.0 | 9.72 | |
| 59 Coumarin | 146 | 7.363 | 7.375 | -0.012 | 70 | 29022 | 10.0 | 9.71 | |
| 60 2,6-Dinitrotoluene | 165 | 7.398 | 7.404 | -0.006 | 94 | 22727 | 10.0 | 10.0 | |
| 63 Acenaphthylene | 152 | 7.475 | 7.480 | -0.005 | 97 | 134402 | 10.0 | 9.81 | |
| 64 3-Nitroaniline | 138 | 7.563 | 7.575 | -0.012 | 92 | 22007 | 10.0 | 9.83 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 93 | 317449 | 40.0 | 40.0 | |
| 66 3,5-di-tert-butyl-4-hydrox | 205 | 7.633 | 7.639 | -0.006 | 96 | 106265 | 10.0 | 9.53 | |
| 67 Acenaphthene | 154 | 7.651 | 7.657 | -0.006 | 94 | 97808 | 10.0 | 10.0 | |
| 68 2,4-Dinitrophenol | 184 | 7.663 | 7.675 | -0.012 | 96 | 28369 | 20.0 | 18.7 | |
| 69 4-Nitrophenol | 65 | 7.722 | 7.733 | -0.011 | 91 | 35702 | 20.0 | 19.3 | |
| 70 2,4-Dinitrotoluene | 165 | 7.798 | 7.804 | -0.006 | 92 | 28379 | 10.0 | 9.88 | |
| 71 Dibenzofuran | 168 | 7.822 | 7.828 | -0.006 | 96 | 123600 | 10.0 | 9.78 | |
| 72 2,3,4,6-Tetrachlorophenol | 232 | 7.939 | 7.945 | -0.006 | 95 | 27571 | 10.0 | 9.85 | |
| 73 Diethyl phthalate | 149 | 8.039 | 8.051 | -0.012 | 98 | 89002 | 10.0 | 9.78 | |
| 74 Fluorene | 166 | 8.163 | 8.163 | 0.000 | 96 | 100397 | 10.0 | 9.75 | |
| 75 4-Chlorophenyl phenyl ethe | 204 | 8.157 | 8.163 | -0.006 | 87 | 50018 | 10.0 | 9.70 | |
| 76 4-Nitroaniline | 138 | 8.169 | 8.186 | -0.017 | 89 | 21491 | 10.0 | 10.3 | |
| 77 4,6-Dinitro-2-methylphenol | 198 | 8.198 | 8.210 | -0.012 | 87 | 35670 | 20.0 | 19.8 | |
| 78 N-Nitrosodiphenylamine | 169 | 8.269 | 8.280 | -0.011 | 67 | 137207 | 20.0 | 19.6 | |
| 79 1,2-Diphenylhydrazine | 77 | 8.316 | 8.322 | -0.006 | 97 | 104927 | 10.0 | 9.81 | |
| \$ 80 2,4,6-Tribromophenol | 330 | 8.398 | 8.404 | -0.006 | 92 | 12935 | 10.0 | 9.49 | |
| 81 4-Bromophenyl phenyl ether | 248 | 8.639 | 8.645 | -0.006 | 89 | 29437 | 10.0 | 10.1 | |
| 82 Hexachlorobenzene | 284 | 8.716 | 8.716 | 0.000 | 96 | 27334 | 10.0 | 9.85 | |
| 84 Pentachlorophenol | 266 | 8.898 | 8.904 | -0.006 | 92 | 35648 | 20.0 | 19.8 | |
| 85 Pentachloronitrobenzene | 237 | 8.921 | 8.922 | -0.001 | 86 | 12975 | 10.0 | 10.1 | |
| 86 n-Octadecane | 57 | 8.974 | 8.975 | 0.000 | 91 | 59053 | 10.0 | 9.38 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 452305 | 40.0 | 40.0 | |
| 88 Phenanthrene | 178 | 9.116 | 9.116 | 0.000 | 97 | 132223 | 10.0 | 10.0 | |
| 89 Anthracene | 178 | 9.163 | 9.169 | -0.006 | 98 | 131099 | 10.0 | 9.84 | |
| 90 Carbazole | 167 | 9.316 | 9.322 | -0.006 | 96 | 107002 | 10.0 | 9.82 | |
| 91 Di-n-butyl phthalate | 149 | 9.657 | 9.657 | 0.000 | 99 | 127944 | 10.0 | 9.67 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 92 Fluoranthene | 202 | 10.292 | 10.298 | -0.006 | 98 | 122255 | 10.0 | 9.82 | |
| 93 Benzidine | 184 | 10.416 | 10.421 | -0.005 | 99 | 62042 | 10.0 | 9.30 | |
| 94 Pyrene | 202 | 10.527 | 10.533 | -0.006 | 98 | 126402 | 10.0 | 10.1 | |
| 95 Bisphenol-A | 213 | 10.557 | 10.563 | -0.006 | 99 | 52294 | 10.0 | 9.57 | |
| \$ 96 Terphenyl-d14 | 244 | 10.680 | 10.686 | -0.006 | 99 | 89443 | 10.0 | 9.50 | |
| 97 Butyl benzyl phthalate | 149 | 11.221 | 11.227 | -0.006 | 98 | 48872 | 10.0 | 9.90 | |
| 99 Carbamazepine | 193 | 11.357 | 11.363 | -0.006 | 91 | 38871 | 10.0 | 9.23 | |
| 100 3,3'-Dichlorobenzidine | 252 | 11.874 | 11.886 | -0.012 | 99 | 33926 | 10.0 | 9.69 | |
| 101 Benzo[a]anthracene | 228 | 11.915 | 11.921 | -0.006 | 99 | 103597 | 10.0 | 9.58 | |
| * 102 Chrysene-d12 | 240 | 11.927 | 11.933 | -0.006 | 100 | 337423 | 40.0 | 40.0 | |
| 104 Bis(2-ethylhexyl) phthalat | 149 | 11.945 | 11.951 | -0.006 | 88 | 69178 | 10.0 | 9.85 | |
| 103 Chrysene | 228 | 11.962 | 11.968 | -0.006 | 99 | 96178 | 10.0 | 10.1 | |
| 105 Di-n-octyl phthalate | 149 | 12.833 | 12.839 | -0.006 | 97 | 101968 | 10.0 | 9.69 | |
| 106 Benzo[b]fluoranthene | 252 | 13.368 | 13.380 | -0.012 | 98 | 79847 | 10.0 | 10.0 | |
| 107 Benzo[k]fluoranthene | 252 | 13.409 | 13.421 | -0.012 | 99 | 78408 | 10.0 | 9.75 | |
| 108 Benzo[a]pyrene | 252 | 13.833 | 13.839 | -0.006 | 98 | 73009 | 10.0 | 9.89 | |
| * 109 Perylene-d12 | 264 | 13.915 | 13.921 | -0.006 | 99 | 246360 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 15.539 | 15.556 | -0.017 | 99 | 59341 | 10.0 | 9.50 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.580 | 15.598 | -0.018 | 96 | 59167 | 10.0 | 9.65 | |
| 112 Benzo[g,h,i]perylene | 276 | 16.003 | 16.021 | -0.018 | 98 | 58053 | 10.0 | 9.52 | |
| S 119 Total Cresols | 1 | | | | 0 | | | 20.0 | |

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L4_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178275.D

Injection Date: 06-Apr-2016 14:28:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std10

Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul

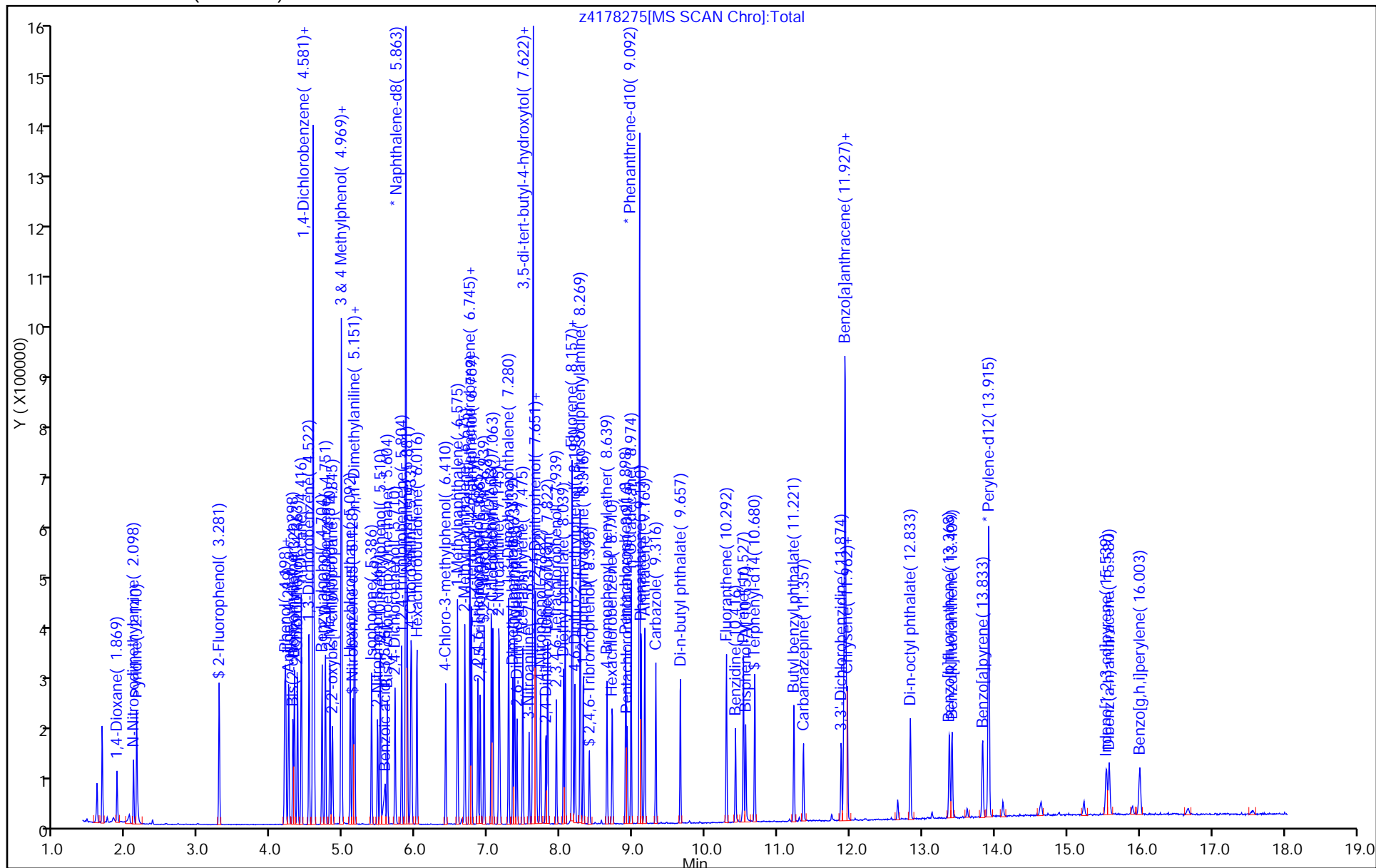
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178276.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 06-Apr-2016 14:52:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-007
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:16 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:54:48

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.875 | 1.857 | 0.018 | 91 | 15854 | 5.00 | 4.60 | |
| 2 N-Nitrosodimethylamine | 74 | 2.104 | 2.093 | 0.011 | 87 | 21063 | 5.00 | 4.58 | |
| 3 Pyridine | 79 | 2.151 | 2.128 | 0.023 | 96 | 39233 | 5.00 | 4.72 | |
| \$ 4 2-Fluorophenol | 112 | 3.281 | 3.281 | 0.000 | 91 | 35697 | 5.00 | 4.95 | |
| \$ 6 Phenol-d5 | 99 | 4.187 | 4.198 | -0.011 | 91 | 43487 | 5.00 | 4.97 | |
| 7 Phenol | 94 | 4.198 | 4.216 | -0.018 | 97 | 41122 | 5.00 | 4.76 | |
| 8 Aniline | 93 | 4.240 | 4.245 | -0.005 | 99 | 47500 | 5.00 | 4.57 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.298 | 4.310 | -0.012 | 99 | 32208 | 5.00 | 4.70 | |
| 10 Benzonitrile | 103 | 4.322 | 4.334 | -0.012 | 0 | 61656 | NC | NC | |
| 11 2-Chlorophenol | 128 | 4.363 | 4.369 | -0.006 | 93 | 32499 | 5.00 | 4.85 | |
| 12 n-Decane | 43 | 4.416 | 4.416 | 0.000 | 83 | 29501 | 5.00 | 4.44 | |
| 13 1,3-Dichlorobenzene | 146 | 4.522 | 4.528 | -0.006 | 92 | 37426 | 5.00 | 4.74 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 98 | 203358 | 40.0 | 40.0 | |
| 15 1,4-Dichlorobenzene | 146 | 4.598 | 4.592 | 0.006 | 94 | 38886 | 5.00 | 4.81 | |
| 16 Benzyl alcohol | 108 | 4.704 | 4.710 | -0.006 | 89 | 19269 | 5.00 | 4.75 | |
| 17 1,2-Dichlorobenzene | 146 | 4.751 | 4.751 | 0.000 | 93 | 35943 | 5.00 | 4.82 | |
| 18 2-Methylphenol | 108 | 4.810 | 4.822 | -0.012 | 84 | 28966 | 5.00 | 4.86 | |
| 19 2,2'-oxybis[1-chloropropan | 45 | 4.845 | 4.851 | -0.006 | 84 | 29256 | 5.00 | 4.66 | |
| 20 N-Methylaniline | 106 | 4.969 | 4.969 | 0.000 | 0 | 50190 | NC | NC | |
| 24 4-Methylphenol | 108 | 4.969 | 4.981 | -0.012 | 83 | 32134 | 5.00 | 4.78 | |
| 22 Acetophenone | 105 | 4.975 | 4.981 | -0.006 | 93 | 42994 | 5.00 | 4.75 | |
| 23 3 & 4 Methylphenol | 108 | 4.969 | 4.981 | -0.012 | 87 | 32134 | 5.00 | 4.78 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.975 | 4.987 | -0.012 | 70 | 23342 | 5.00 | 4.68 | |
| 25 Hexachloroethane | 117 | 5.092 | 5.092 | 0.000 | 91 | 15548 | 5.00 | 4.84 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.128 | 5.134 | -0.006 | 87 | 39104 | 5.00 | 4.98 | |
| 27 Nitrobenzene | 77 | 5.151 | 5.157 | -0.006 | 92 | 49810 | 5.00 | 4.69 | |
| 28 n,n'-Dimethylaniline | 120 | 5.151 | 5.157 | -0.006 | 93 | 49931 | 5.00 | 4.88 | |
| 31 Isophorone | 82 | 5.387 | 5.398 | -0.012 | 100 | 52117 | 5.00 | 4.60 | |
| 32 2-Nitrophenol | 139 | 5.469 | 5.475 | -0.006 | 84 | 15671 | 5.00 | 4.79 | |
| 33 2,4-Dimethylphenol | 122 | 5.510 | 5.516 | -0.006 | 87 | 24064 | 5.00 | 4.70 | |
| 34 Bis(2-chloroethoxy)methane | 93 | 5.604 | 5.610 | -0.006 | 100 | 32497 | 5.00 | 4.57 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 Benzoic acid | 122 | 5.557 | 5.639 | -0.082 | 89 | 12215 | 5.00 | 4.12 | |
| 36 2,4-Dichlorophenol | 162 | 5.710 | 5.716 | -0.006 | 94 | 24297 | 5.00 | 4.84 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.804 | 5.804 | 0.000 | 93 | 29619 | 5.00 | 4.93 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 666277 | 40.0 | 40.0 | |
| 39 Naphthalene | 128 | 5.881 | 5.886 | -0.005 | 99 | 81140 | 5.00 | 4.66 | |
| 40 4-Chloroaniline | 127 | 5.928 | 5.934 | -0.006 | 94 | 32119 | 5.00 | 4.68 | |
| 41 Hexachlorobutadiene | 225 | 6.016 | 6.016 | 0.000 | 94 | 19575 | 5.00 | 4.92 | |
| 43 4-Chloro-3-methylphenol | 107 | 6.410 | 6.416 | -0.006 | 94 | 23994 | 5.00 | 4.77 | |
| 45 1-Methylnaphthalene | 142 | 6.575 | 6.581 | -0.006 | 92 | 50656 | 5.00 | 4.63 | |
| 44 2-Methylnaphthalene | 142 | 6.675 | 6.681 | -0.006 | 85 | 45064 | 5.00 | 4.76 | |
| 46 Hexachlorocyclopentadiene | 237 | 6.745 | 6.745 | 0.000 | 97 | 16870 | 5.00 | 4.44 | |
| 47 1,2,4,5-Tetrachlorobenzene | 216 | 6.745 | 6.751 | -0.006 | 96 | 27516 | 5.00 | 4.81 | |
| 48 2-tertbutyl-4-methylphenol | 149 | 6.769 | 6.775 | -0.006 | 89 | 37585 | 5.00 | 4.70 | |
| 49 2,4,6-Trichlorophenol | 196 | 6.857 | 6.857 | 0.000 | 89 | 16875 | 5.00 | 4.88 | |
| 50 2,4,5-Trichlorophenol | 196 | 6.886 | 6.892 | -0.006 | 96 | 16343 | 5.00 | 4.67 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.945 | 6.945 | 0.000 | 98 | 60185 | 5.00 | 4.99 | |
| 52 1,1'-Biphenyl | 154 | 7.045 | 7.045 | 0.000 | 95 | 59387 | 5.00 | 4.76 | |
| 53 2-Chloronaphthalene | 162 | 7.063 | 7.069 | -0.006 | 97 | 47004 | 5.00 | 4.79 | |
| 54 Phenyl ether | 170 | 7.145 | 7.151 | -0.006 | 87 | 33271 | 5.00 | 4.94 | |
| 55 2-Nitroaniline | 65 | 7.157 | 7.163 | -0.006 | 93 | 17909 | 5.00 | 4.82 | |
| 57 1,3-Dimethylnaphthalene | 156 | 7.280 | 7.286 | -0.006 | 90 | 38453 | 5.00 | 4.98 | |
| 58 Dimethyl phthalate | 163 | 7.339 | 7.351 | -0.012 | 98 | 47428 | 5.00 | 4.79 | |
| 59 Coumarin | 146 | 7.363 | 7.375 | -0.012 | 69 | 14962 | 5.00 | 4.81 | |
| 60 2,6-Dinitrotoluene | 165 | 7.398 | 7.404 | -0.006 | 92 | 10795 | 5.00 | 4.71 | |
| 63 Acenaphthylene | 152 | 7.475 | 7.480 | -0.005 | 97 | 66832 | 5.00 | 4.82 | |
| 64 3-Nitroaniline | 138 | 7.563 | 7.575 | -0.012 | 92 | 10654 | 5.00 | 4.71 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 93 | 321060 | 40.0 | 40.0 | |
| 66 3,5-di-tert-butyl-4-hydrox | 205 | 7.633 | 7.639 | -0.006 | 96 | 53698 | 5.00 | 4.76 | |
| 67 Acenaphthene | 154 | 7.651 | 7.657 | -0.006 | 93 | 49080 | 5.00 | 4.98 | |
| 68 2,4-Dinitrophenol | 184 | 7.663 | 7.675 | -0.012 | 94 | 12843 | 10.0 | 8.93 | |
| 69 4-Nitrophenol | 65 | 7.722 | 7.733 | -0.011 | 89 | 16775 | 10.0 | 8.95 | |
| 70 2,4-Dinitrotoluene | 165 | 7.798 | 7.804 | -0.006 | 93 | 13811 | 5.00 | 4.75 | |
| 71 Dibenzofuran | 168 | 7.822 | 7.828 | -0.006 | 96 | 62205 | 5.00 | 4.87 | |
| 72 2,3,4,6-Tetrachlorophenol | 232 | 7.939 | 7.945 | -0.006 | 94 | 13888 | 5.00 | 4.91 | |
| 73 Diethyl phthalate | 149 | 8.039 | 8.051 | -0.012 | 97 | 42151 | 5.00 | 4.58 | |
| 74 Fluorene | 166 | 8.163 | 8.163 | 0.000 | 96 | 50002 | 5.00 | 4.80 | |
| 75 4-Chlorophenyl phenyl ethe | 204 | 8.157 | 8.163 | -0.006 | 88 | 24765 | 5.00 | 4.75 | |
| 76 4-Nitroaniline | 138 | 8.169 | 8.186 | -0.017 | 91 | 9291 | 5.00 | 4.40 | |
| 77 4,6-Dinitro-2-methylphenol | 198 | 8.198 | 8.210 | -0.012 | 87 | 16162 | 10.0 | 8.81 | |
| 78 N-Nitrosodiphenylamine | 169 | 8.269 | 8.280 | -0.011 | 68 | 68600 | 10.0 | 9.63 | |
| 79 1,2-Diphenylhydrazine | 77 | 8.310 | 8.322 | -0.012 | 97 | 52649 | 5.00 | 4.84 | |
| \$ 80 2,4,6-Tribromophenol | 330 | 8.398 | 8.404 | -0.006 | 93 | 6880 | 5.00 | 4.99 | |
| 81 4-Bromophenyl phenyl ether | 248 | 8.639 | 8.645 | -0.006 | 86 | 13561 | 5.00 | 4.58 | |
| 82 Hexachlorobenzene | 284 | 8.716 | 8.716 | 0.000 | 96 | 14072 | 5.00 | 4.98 | |
| 84 Pentachlorophenol | 266 | 8.898 | 8.904 | -0.006 | 92 | 16986 | 10.0 | 9.25 | |
| 85 Pentachloronitrobenzene | 237 | 8.916 | 8.922 | -0.006 | 85 | 6796 | 5.00 | 5.21 | |
| 86 n-Octadecane | 57 | 8.975 | 8.975 | 0.000 | 90 | 28577 | 5.00 | 4.46 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 460559 | 40.0 | 40.0 | |
| 88 Phenanthrene | 178 | 9.110 | 9.116 | -0.006 | 96 | 65184 | 5.00 | 4.85 | |
| 89 Anthracene | 178 | 9.163 | 9.169 | -0.006 | 98 | 63963 | 5.00 | 4.72 | |
| 90 Carbazole | 167 | 9.316 | 9.322 | -0.006 | 96 | 53522 | 5.00 | 4.82 | |
| 91 Di-n-butyl phthalate | 149 | 9.657 | 9.657 | 0.000 | 99 | 62885 | 5.00 | 4.67 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 92 Fluoranthene | 202 | 10.292 | 10.298 | -0.006 | 98 | 60148 | 5.00 | 4.75 | |
| 93 Benzidine | 184 | 10.416 | 10.421 | -0.005 | 99 | 32179 | 5.00 | 4.74 | |
| 94 Pyrene | 202 | 10.527 | 10.533 | -0.006 | 98 | 60668 | 5.00 | 4.82 | |
| 95 Bisphenol-A | 213 | 10.557 | 10.563 | -0.006 | 99 | 28199 | 5.00 | 5.15 | |
| \$ 96 Terphenyl-d14 | 244 | 10.680 | 10.686 | -0.006 | 99 | 47975 | 5.00 | 5.09 | |
| 97 Butyl benzyl phthalate | 149 | 11.221 | 11.227 | -0.006 | 98 | 23118 | 5.00 | 4.68 | |
| 99 Carbamazepine | 193 | 11.357 | 11.363 | -0.006 | 93 | 19499 | 5.00 | 4.62 | |
| 100 3,3'-Dichlorobenzidine | 252 | 11.874 | 11.886 | -0.012 | 98 | 18046 | 5.00 | 5.15 | |
| 101 Benzo[a]anthracene | 228 | 11.915 | 11.921 | -0.006 | 97 | 50930 | 5.00 | 4.70 | |
| * 102 Chrysene-d12 | 240 | 11.927 | 11.933 | -0.006 | 100 | 337966 | 40.0 | 40.0 | |
| 104 Bis(2-ethylhexyl) phthalat | 149 | 11.945 | 11.951 | -0.006 | 91 | 32563 | 5.00 | 4.63 | |
| 103 Chrysene | 228 | 11.963 | 11.968 | -0.005 | 99 | 46544 | 5.00 | 4.89 | |
| 105 Di-n-octyl phthalate | 149 | 12.833 | 12.839 | -0.006 | 97 | 50366 | 5.00 | 4.63 | |
| 106 Benzo[b]fluoranthene | 252 | 13.374 | 13.380 | -0.006 | 98 | 40172 | 5.00 | 4.87 | |
| 107 Benzo[k]fluoranthene | 252 | 13.410 | 13.421 | -0.011 | 99 | 39425 | 5.00 | 4.74 | |
| 108 Benzo[a]pyrene | 252 | 13.833 | 13.839 | -0.006 | 98 | 35318 | 5.00 | 4.63 | |
| * 109 Perylene-d12 | 264 | 13.915 | 13.921 | -0.006 | 99 | 254646 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 15.539 | 15.556 | -0.017 | 99 | 29126 | 5.00 | 4.51 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.580 | 15.598 | -0.018 | 97 | 29527 | 5.00 | 4.66 | |
| 112 Benzo[g,h,i]perylene | 276 | 15.998 | 16.021 | -0.023 | 98 | 29419 | 5.00 | 4.67 | |
| S 119 Total Cresols | 1 | | | | 0 | | | 9.63 | |

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L3_00012

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178276.D

Injection Date: 06-Apr-2016 14:52:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std5

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

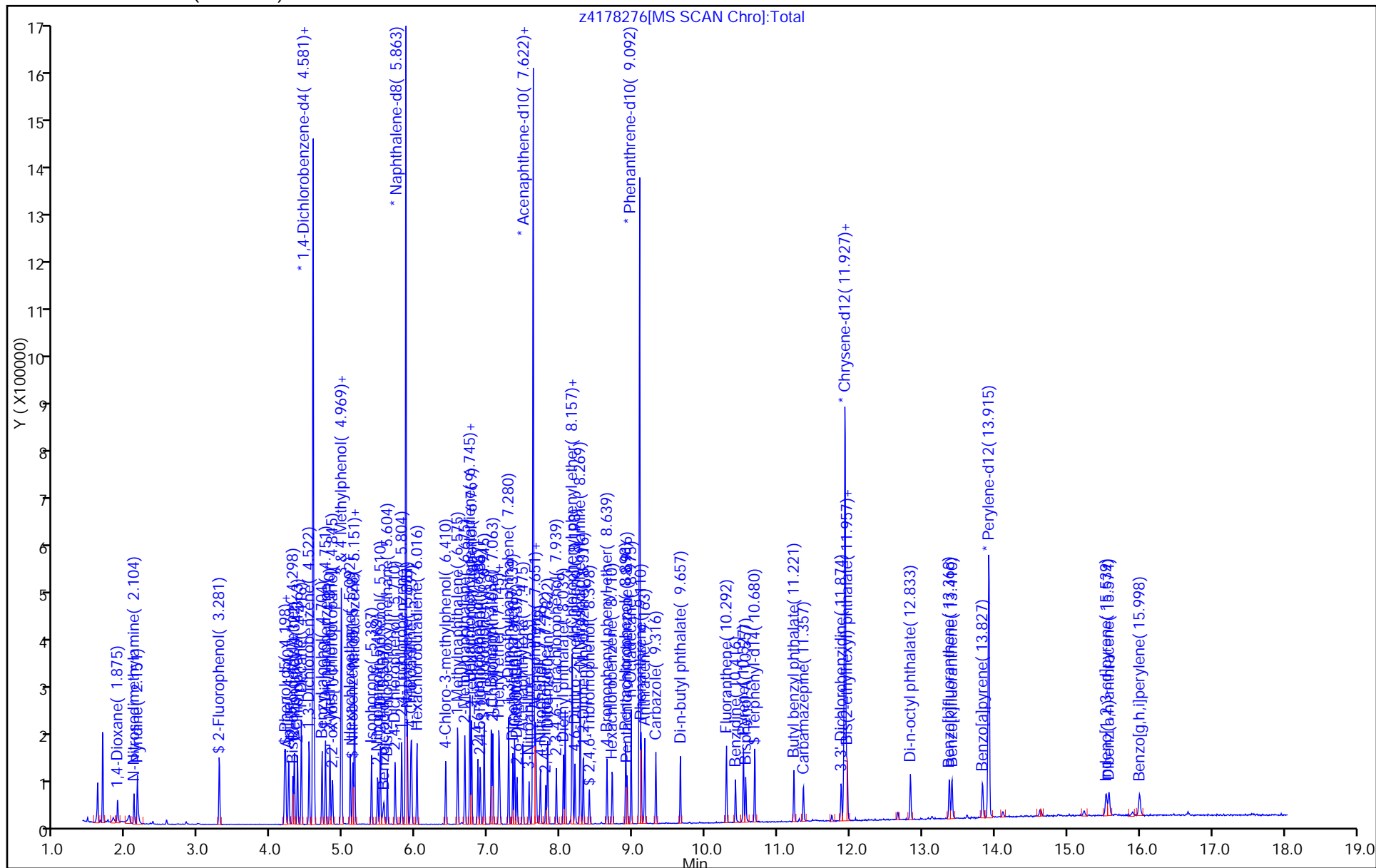
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178277.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 06-Apr-2016 15:16:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-008
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:23 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:55:50

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.281 | 3.281 | 0.000 | 91 | 15605 | 2.00 | 2.08 | |
| \$ 6 Phenol-d5 | 99 | 4.187 | 4.198 | -0.011 | 91 | 19099 | 2.00 | 2.09 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.298 | 4.310 | -0.012 | 98 | 13869 | 2.00 | 1.94 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 98 | 211827 | 40.0 | 40.0 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.975 | 4.987 | -0.012 | 68 | 10094 | 2.00 | 1.94 | |
| 25 Hexachloroethane | 117 | 5.092 | 5.092 | 0.000 | 93 | 6979 | 2.00 | 2.08 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.128 | 5.134 | -0.006 | 88 | 17193 | 2.00 | 2.05 | |
| 27 Nitrobenzene | 77 | 5.151 | 5.157 | -0.006 | 93 | 22459 | 2.00 | 1.98 | |
| 28 n,n'-Dimethylaniline | 120 | 5.151 | 5.157 | -0.006 | 92 | 21127 | 2.00 | 1.98 | |
| 31 Isophorone | 82 | 5.387 | 5.398 | -0.011 | 99 | 24720 | 2.00 | 2.04 | |
| 36 2,4-Dichlorophenol | 162 | 5.710 | 5.716 | -0.006 | 93 | 9969 | 2.00 | 1.86 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.804 | 5.804 | 0.000 | 92 | 12510 | 2.00 | 1.95 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 711980 | 40.0 | 40.0 | |
| 41 Hexachlorobutadiene | 225 | 6.016 | 6.016 | 0.000 | 94 | 8399 | 2.00 | 1.97 | |
| 49 2,4,6-Trichlorophenol | 196 | 6.857 | 6.857 | 0.000 | 89 | 8204 | 2.00 | 2.15 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.945 | 6.945 | 0.000 | 97 | 27845 | 2.00 | 2.10 | |
| 60 2,6-Dinitrotoluene | 165 | 7.398 | 7.404 | -0.006 | 92 | 5037 | 2.00 | 2.00 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 93 | 353399 | 40.0 | 40.0 | |
| 68 2,4-Dinitrophenol | 184 | 7.663 | 7.675 | -0.012 | 90 | 5693 | 4.00 | 4.21 | |
| 70 2,4-Dinitrotoluene | 165 | 7.798 | 7.804 | -0.006 | 93 | 6432 | 2.00 | 2.01 | |
| 77 4,6-Dinitro-2-methylphenol | 198 | 8.198 | 8.210 | -0.012 | 90 | 7476 | 4.00 | 3.64 | |
| 78 N-Nitrosodiphenylamine | 169 | 8.269 | 8.280 | -0.011 | 67 | 31099 | 4.00 | 3.89 | |
| \$ 80 2,4,6-Tribromophenol | 330 | 8.398 | 8.404 | -0.006 | 92 | 3254 | 2.00 | 2.15 | |
| 82 Hexachlorobenzene | 284 | 8.710 | 8.716 | -0.006 | 96 | 6410 | 2.00 | 2.03 | |
| 84 Pentachlorophenol | 266 | 8.898 | 8.904 | -0.006 | 90 | 7928 | 4.00 | 3.85 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 516082 | 40.0 | 40.0 | |
| \$ 96 Terphenyl-d14 | 244 | 10.686 | 10.686 | 0.000 | 99 | 21672 | 2.00 | 2.11 | |
| 100 3,3'-Dichlorobenzidine | 252 | 11.874 | 11.886 | -0.012 | 98 | 6936 | 2.00 | 1.82 | |
| 101 Benzo[a]anthracene | 228 | 11.916 | 11.921 | -0.005 | 97 | 22902 | 2.00 | 1.94 | |
| * 102 Chrysene-d12 | 240 | 11.927 | 11.933 | -0.006 | 100 | 367455 | 40.0 | 40.0 | |
| 106 Benzo[b]fluoranthene | 252 | 13.368 | 13.380 | -0.012 | 98 | 16021 | 2.00 | 1.85 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 107 Benzo[k]fluoranthene | 252 | 13.410 | 13.421 | -0.011 | 99 | 17745 | 2.00 | 2.03 | |
| 108 Benzo[a]pyrene | 252 | 13.833 | 13.839 | -0.006 | 97 | 16593 | 2.00 | 2.07 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 267952 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 15.533 | 15.556 | -0.023 | 99 | 13308 | 2.00 | 1.96 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.574 | 15.598 | -0.024 | 96 | 13601 | 2.00 | 2.04 | |

Reagents:

SV_IC_BNA_LO_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178277.D

Injection Date: 06-Apr-2016 15:16:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std2

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

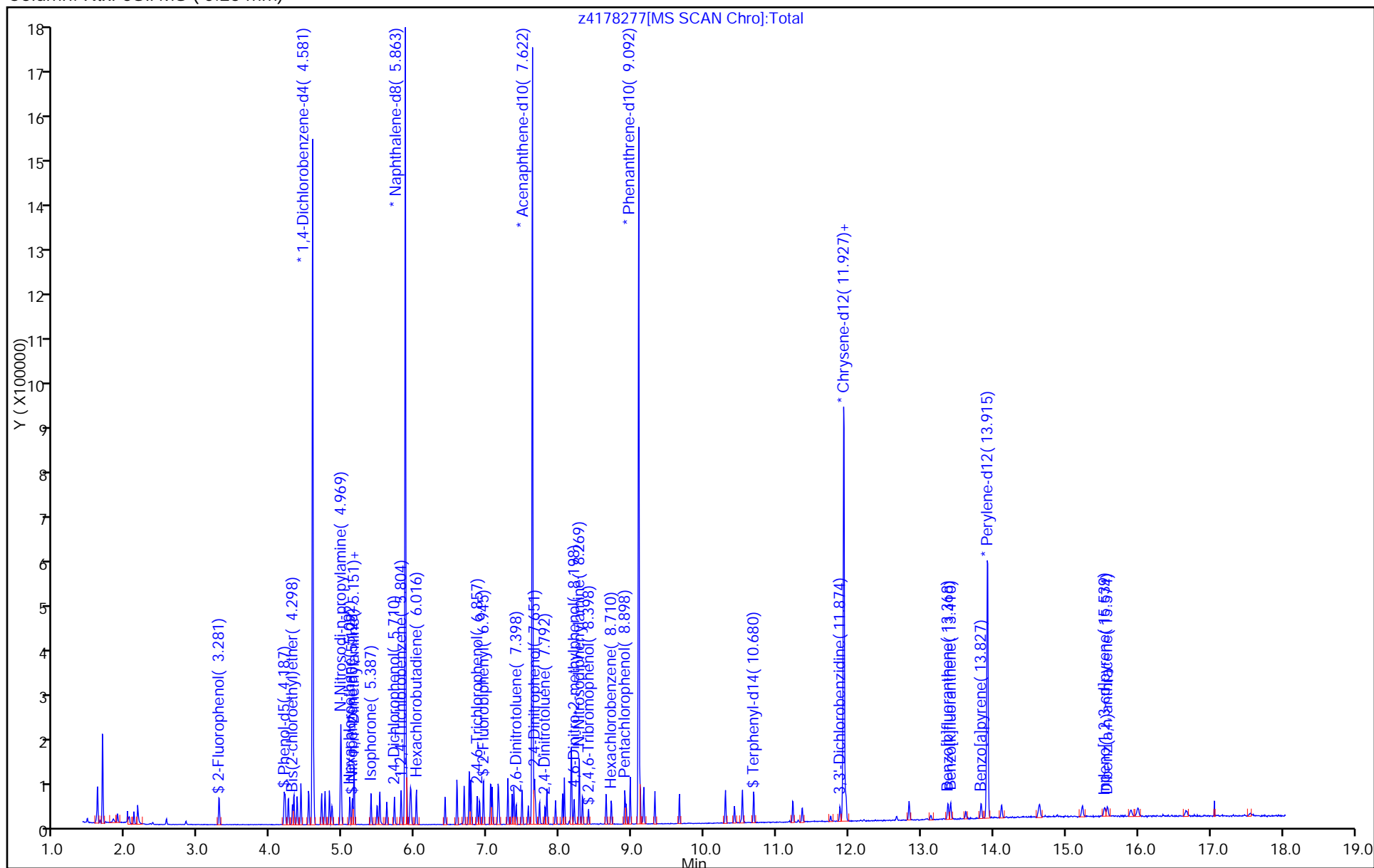
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178278.D
 Lims ID: std1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 06-Apr-2016 15:41:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-009
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:27 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:57:09

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.281 | 3.281 | 0.000 | 91 | 6010 | 1.00 | 0.8694 | |
| \$ 6 Phenol-d5 | 99 | 4.187 | 4.198 | -0.011 | 88 | 7821 | 1.00 | 0.9323 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.304 | 4.310 | -0.006 | 98 | 6973 | 1.00 | 1.06 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 98 | 194791 | 40.0 | 40.0 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.975 | 4.987 | -0.012 | 68 | 5208 | 1.00 | 1.09 | |
| 25 Hexachloroethane | 117 | 5.093 | 5.092 | 0.001 | 89 | 3202 | 1.00 | 1.04 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.128 | 5.134 | -0.006 | 86 | 7264 | 1.00 | 0.9260 | |
| 27 Nitrobenzene | 77 | 5.151 | 5.157 | -0.006 | 92 | 10679 | 1.00 | 1.01 | |
| 28 n,n'-Dimethylaniline | 120 | 5.151 | 5.157 | -0.006 | 92 | 9611 | 1.00 | 0.9801 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.804 | 5.804 | 0.000 | 93 | 6002 | 1.00 | 1.00 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 665153 | 40.0 | 40.0 | |
| 41 Hexachlorobutadiene | 225 | 6.016 | 6.016 | 0.000 | 91 | 3780 | 1.00 | 0.9510 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.945 | 6.945 | 0.000 | 99 | 11395 | 1.00 | 0.9361 | |
| 60 2,6-Dinitrotoluene | 165 | 7.398 | 7.404 | -0.006 | 86 | 2022 | 1.00 | 0.8752 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 92 | 323886 | 40.0 | 40.0 | |
| 70 2,4-Dinitrotoluene | 165 | 7.792 | 7.804 | -0.012 | 87 | 2758 | 1.00 | 0.9409 | |
| \$ 80 2,4,6-Tribromophenol | 330 | 8.398 | 8.404 | -0.006 | 89 | 1335 | 1.00 | 0.9605 | |
| 82 Hexachlorobenzene | 284 | 8.716 | 8.716 | 0.000 | 94 | 2839 | 1.00 | 1.00 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 462005 | 40.0 | 40.0 | |
| \$ 96 Terphenyl-d14 | 244 | 10.686 | 10.686 | 0.000 | 99 | 8609 | 1.00 | 0.9393 | |
| 101 Benzo[a]anthracene | 228 | 11.916 | 11.921 | -0.005 | 98 | 11416 | 1.00 | 1.08 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 99 | 328504 | 40.0 | 40.0 | |
| 106 Benzo[b]fluoranthene | 252 | 13.369 | 13.380 | -0.011 | 97 | 8336 | 1.00 | 1.04 | |
| 107 Benzo[k]fluoranthene | 252 | 13.410 | 13.421 | -0.011 | 97 | 8100 | 1.00 | 1.00 | |
| 108 Benzo[a]pyrene | 252 | 13.833 | 13.839 | -0.006 | 97 | 7297 | 1.00 | 0.9843 | |
| * 109 Perylene-d12 | 264 | 13.916 | 13.921 | -0.005 | 99 | 247398 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 15.539 | 15.556 | -0.017 | 98 | 6329 | 1.00 | 1.01 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.574 | 15.598 | -0.024 | 95 | 5854 | 1.00 | 0.9506 | |

Reagents:

SV_IC_BNA_L2_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178278.D

Injection Date: 06-Apr-2016 15:41:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std1

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

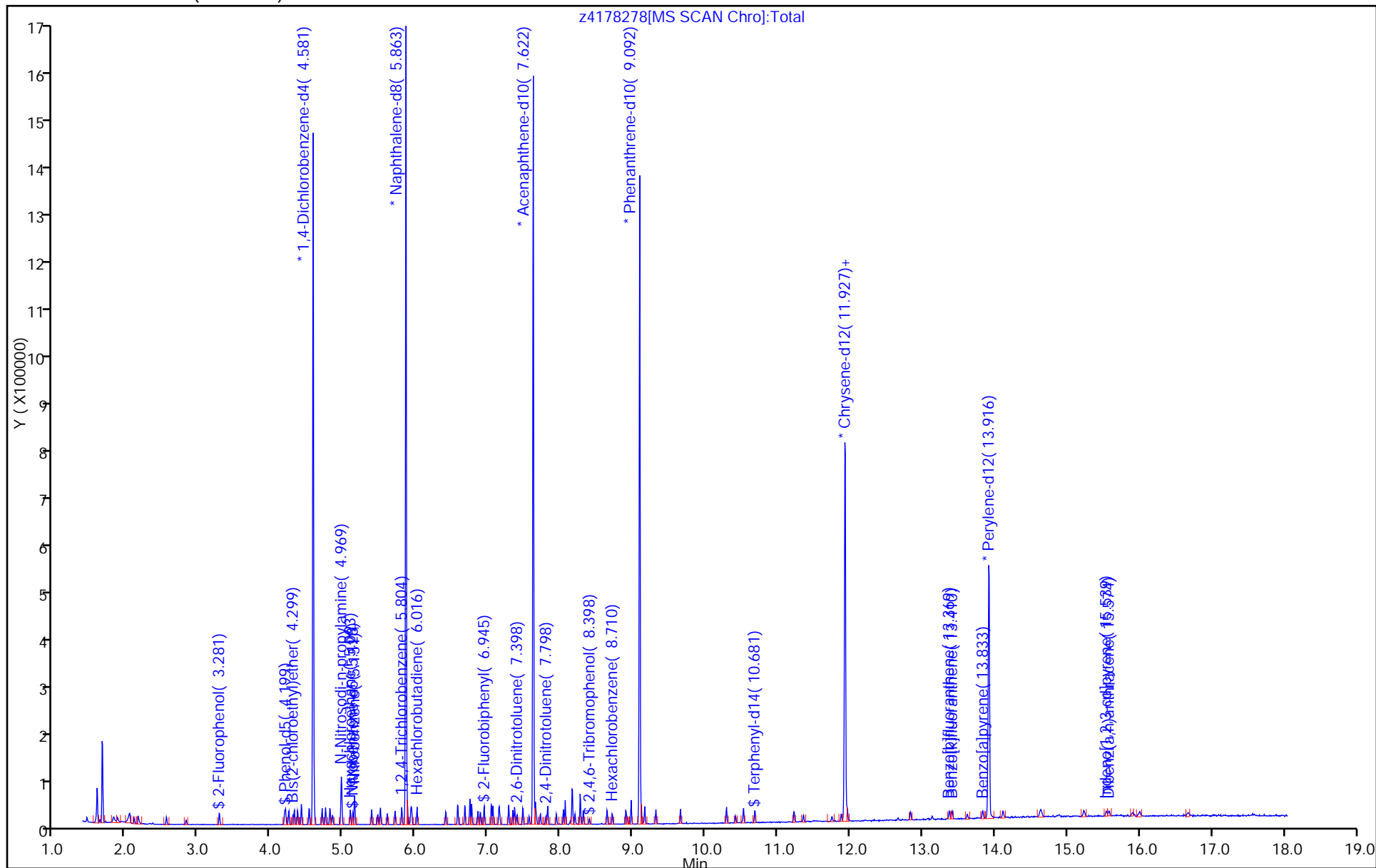
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178279.D
 Lims ID: std05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 06-Apr-2016 16:05:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-010
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:31 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:57:49

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 9 Bis(2-chloroethyl)ether | 93 | 4.304 | 4.310 | -0.006 | 97 | 3655 | 0.5000 | 0.5047 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 98 | 214770 | 40.0 | 40.0 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.975 | 4.987 | -0.012 | 64 | 2735 | 0.5000 | 0.5192 | |
| 25 Hexachloroethane | 117 | 5.093 | 5.092 | 0.001 | 91 | 1629 | 0.5000 | 0.4798 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.128 | 5.134 | -0.006 | 88 | 4072 | 0.5000 | 0.4776 | |
| 27 Nitrobenzene | 77 | 5.151 | 5.157 | -0.006 | 93 | 5792 | 0.5000 | 0.5022 | |
| 28 n,n'-Dimethylaniline | 120 | 5.157 | 5.157 | 0.000 | 87 | 5273 | 0.5000 | 0.4877 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.804 | 5.804 | 0.000 | 91 | 3382 | 0.5000 | 0.5190 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 722923 | 40.0 | 40.0 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.945 | 6.945 | 0.000 | 98 | 5939 | 0.5000 | 0.4562 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 93 | 346385 | 40.0 | 40.0 | |
| 82 Hexachlorobenzene | 284 | 8.710 | 8.716 | -0.006 | 94 | 1459 | 0.5000 | 0.4803 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 495355 | 40.0 | 40.0 | |
| \$ 96 Terphenyl-d14 | 244 | 10.680 | 10.686 | -0.006 | 98 | 4608 | 0.5000 | 0.4605 | |
| 101 Benzo[a]anthracene | 228 | 11.916 | 11.921 | -0.005 | 98 | 6756 | 0.5000 | 0.5875 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 100 | 358670 | 40.0 | 40.0 | |
| 106 Benzo[b]fluoranthene | 252 | 13.369 | 13.380 | -0.011 | 97 | 4631 | 0.5000 | 0.5395 | |
| 107 Benzo[k]fluoranthene | 252 | 13.410 | 13.421 | -0.011 | 97 | 4503 | 0.5000 | 0.5203 | |
| 108 Benzo[a]pyrene | 252 | 13.833 | 13.839 | -0.006 | 95 | 4022 | 0.5000 | 0.5061 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 265195 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 15.539 | 15.556 | -0.017 | 95 | 3403 | 0.5000 | 0.5059 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.580 | 15.598 | -0.018 | 30 | 3066 | 0.5000 | 0.4645 | |

Reagents:

SV_IC_BNA_L1_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178279.D

Injection Date: 06-Apr-2016 16:05:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

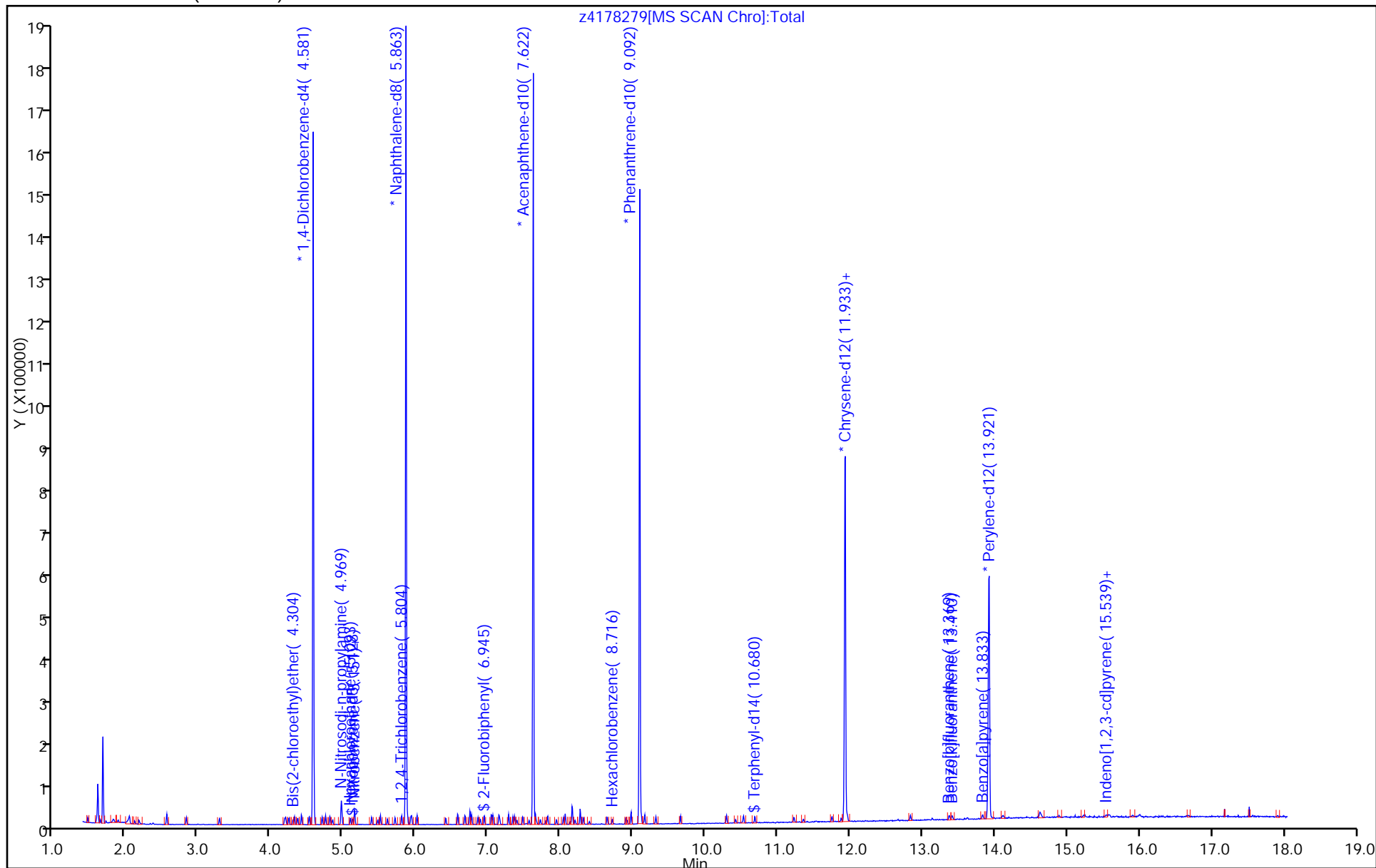
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 16:29 Calibration End Date: 04/06/2016 18:54 Calibration ID: 55201

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|----------------------|--------------|
| Level 1 | STD2 460-361066/17 | z4178286.D |
| Level 2 | STD5 460-361066/16 | z4178285.D |
| Level 3 | STD10 460-361066/15 | z4178284.D |
| Level 4 | STD20 460-361066/14 | z4178283.D |
| Level 5 | STD50 460-361066/11 | z4178280.D |
| Level 6 | STD80 460-361066/13 | z4178282.D |
| Level 7 | STD120 460-361066/12 | z4178281.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|--------------|------------------|------------------|--------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Benzaldehyde | 1.2728 | 1.2747 1.3136 | 1.2201 | 1.3453 | 1.3577 | Ave | | 1.2974 | | | 0.0100 | 4.0 | | 20.0 | | | |
| Caprolactam | 0.0835 | 0.0861 0.0875 | 0.0849 | 0.0939 | 0.0942 | Ave | | 0.0884 | | | 0.0100 | 5.2 | | 20.0 | | | |
| Atrazine | 0.2502 0.2197 | 0.2300 0.2287 | 0.2257 | 0.2448 | 0.2401 | Ave | | 0.2342 | | | 0.0100 | 4.7 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 16:29 Calibration End Date: 04/06/2016 18:54 Calibration ID: 55201

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|----------------------|--------------|
| Level 1 | STD2 460-361066/17 | z4178286.D |
| Level 2 | STD5 460-361066/16 | z4178285.D |
| Level 3 | STD10 460-361066/15 | z4178284.D |
| Level 4 | STD20 460-361066/14 | z4178283.D |
| Level 5 | STD50 460-361066/11 | z4178280.D |
| Level 6 | STD80 460-361066/13 | z4178282.D |
| Level 7 | STD120 460-361066/12 | z4178281.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|--------------|-----------|---------------|----------------|-----------------|-------|--------|--------|-----------------------|----------------|-------|-------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| Benzaldehyde | DCB | Ave | 539638 | 33291 825042 | 64642 | 139558 | 404762 | 80.0 | 5.00 120 | 10.0 | 20.0 | 50.0 |
| Caprolactam | NPT | Ave | 116071 | 7675 178385 | 14996 | 32448 | 93350 | 80.0 | 5.00 120 | 10.0 | 20.0 | 50.0 |
| Atrazine | PHN | Ave | 7318 214798 | 16472 335647 | 30988 | 63388 | 174291 | 2.00 80.0 | 5.00 120 | 10.0 | 20.0 | 50.0 |

Curve Type Legend:

Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178280.D
 Lims ID: std50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 06-Apr-2016 16:29:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-011
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:37 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:58:11

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.145 | 4.145 | 0.000 | 95 | 404762 | 50.0 | 52.3 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 98 | 238504 | 40.0 | 40.0 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 792466 | 40.0 | 40.0 | |
| 42 Caprolactam | 113 | 6.269 | 6.269 | 0.000 | 91 | 93350 | 50.0 | 53.3 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 93 | 400156 | 40.0 | 40.0 | |
| 83 Atrazine | 200 | 8.804 | 8.804 | 0.000 | 94 | 174291 | 50.0 | 51.3 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 580689 | 40.0 | 40.0 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 100 | 428948 | 40.0 | 40.0 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 324603 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178280.D

Injection Date: 06-Apr-2016 16:29:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

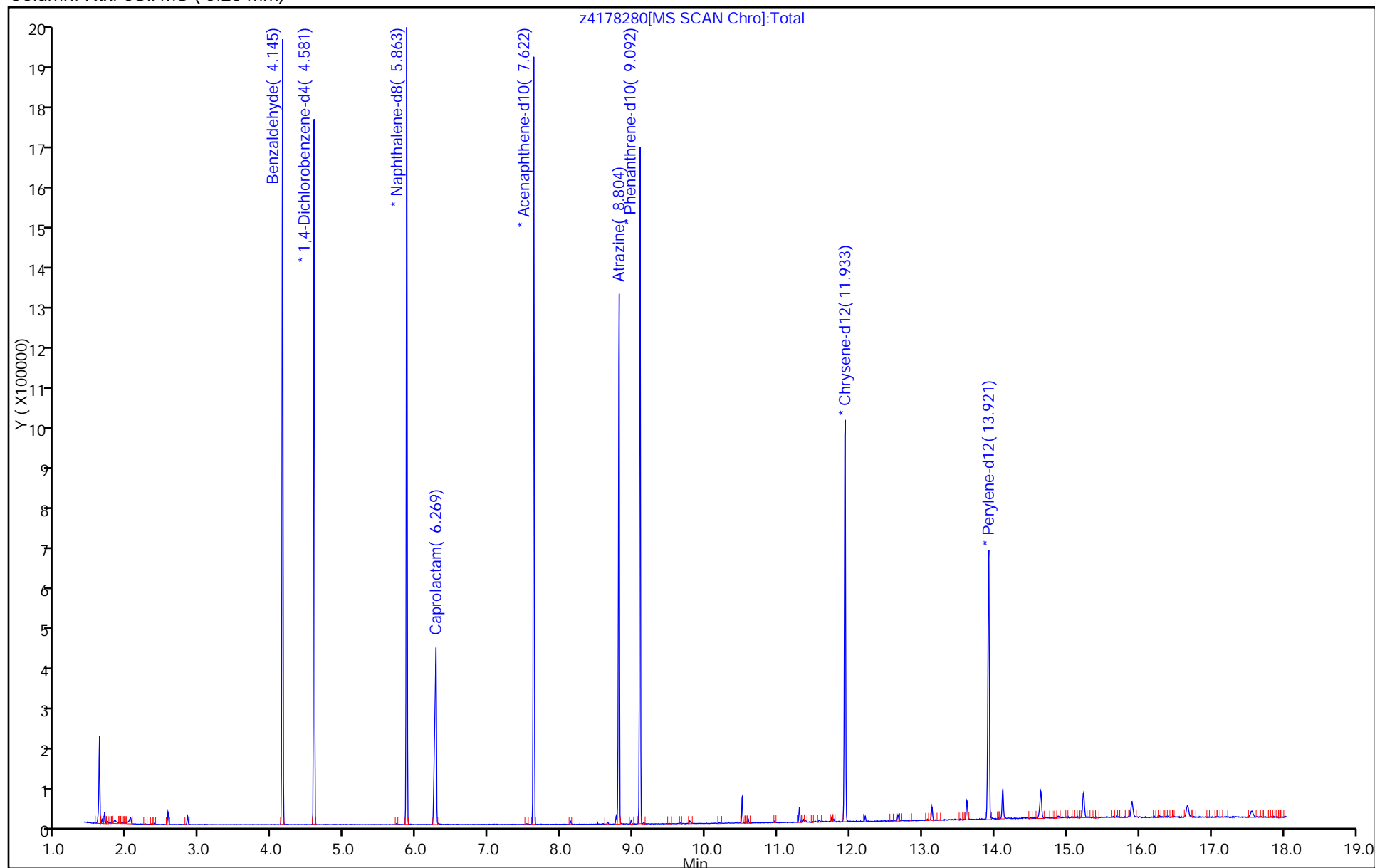
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178281.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 06-Apr-2016 16:53:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-012
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:40 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:58:27

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.151 | 4.145 | 0.006 | 95 | 825042 | 120.0 | 121.5 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 98 | 209353 | 40.0 | 40.0 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 679356 | 40.0 | 40.0 | |
| 42 Caprolactam | 113 | 6.286 | 6.269 | 0.017 | 91 | 178385 | 120.0 | 118.9 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 98 | 300471 | 40.0 | 40.0 | |
| 83 Atrazine | 200 | 8.810 | 8.804 | 0.006 | 94 | 335647 | 120.0 | 117.2 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 489187 | 40.0 | 40.0 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 99 | 369081 | 40.0 | 40.0 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 279651 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L8_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178281.D

Injection Date: 06-Apr-2016 16:53:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

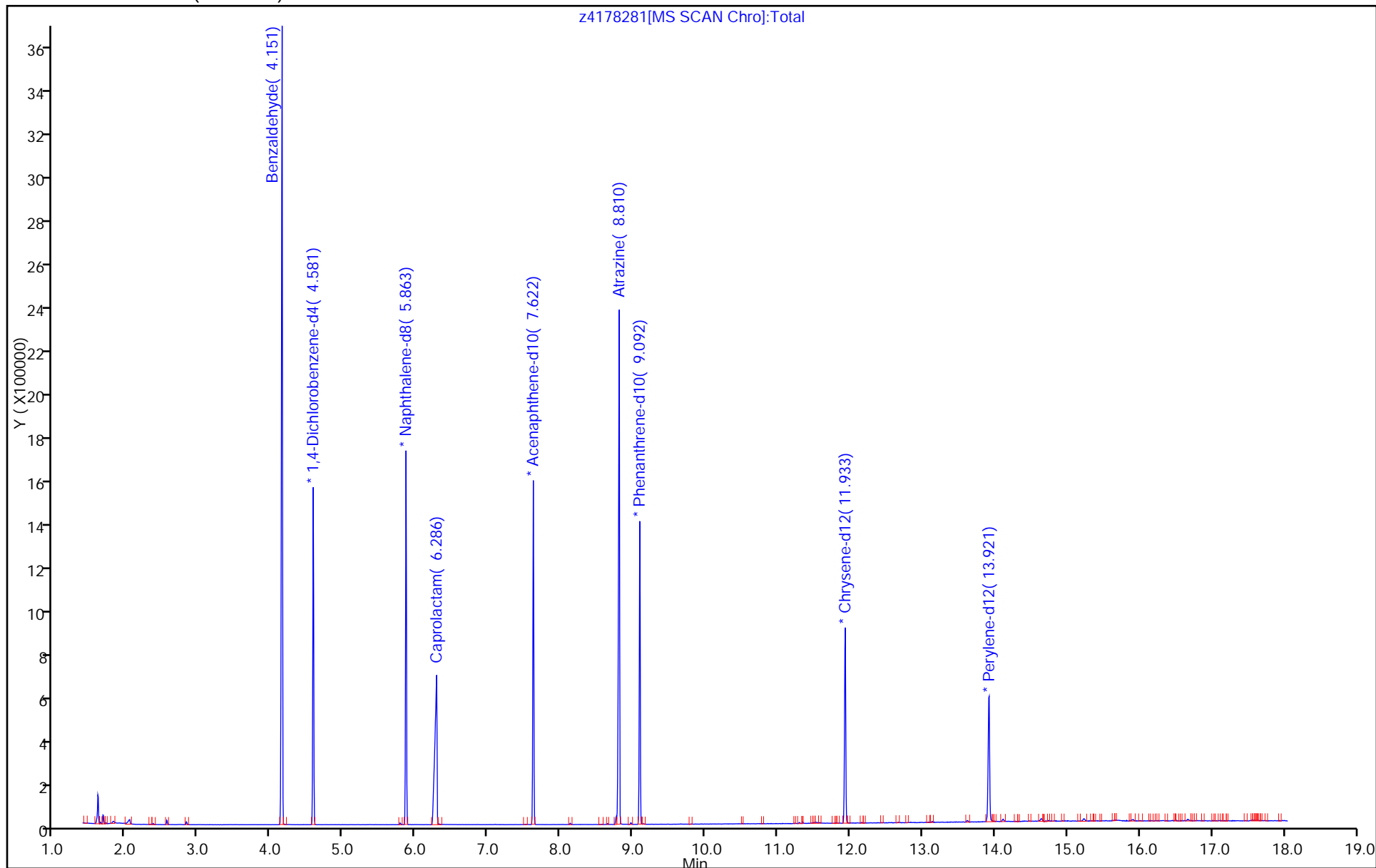
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178282.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 06-Apr-2016 17:17:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-013
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:45 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:58:49

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.146 | 4.145 | 0.001 | 95 | 539638 | 80.0 | 78.5 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 98 | 211995 | 40.0 | 40.0 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 695450 | 40.0 | 40.0 | |
| 42 Caprolactam | 113 | 6.275 | 6.269 | 0.006 | 91 | 116071 | 80.0 | 75.6 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 97 | 305546 | 40.0 | 40.0 | |
| 83 Atrazine | 200 | 8.804 | 8.804 | 0.000 | 94 | 214798 | 80.0 | 75.1 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 488860 | 40.0 | 40.0 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 99 | 361507 | 40.0 | 40.0 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 270165 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L7_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178282.D

Injection Date: 06-Apr-2016 17:17:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std80

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

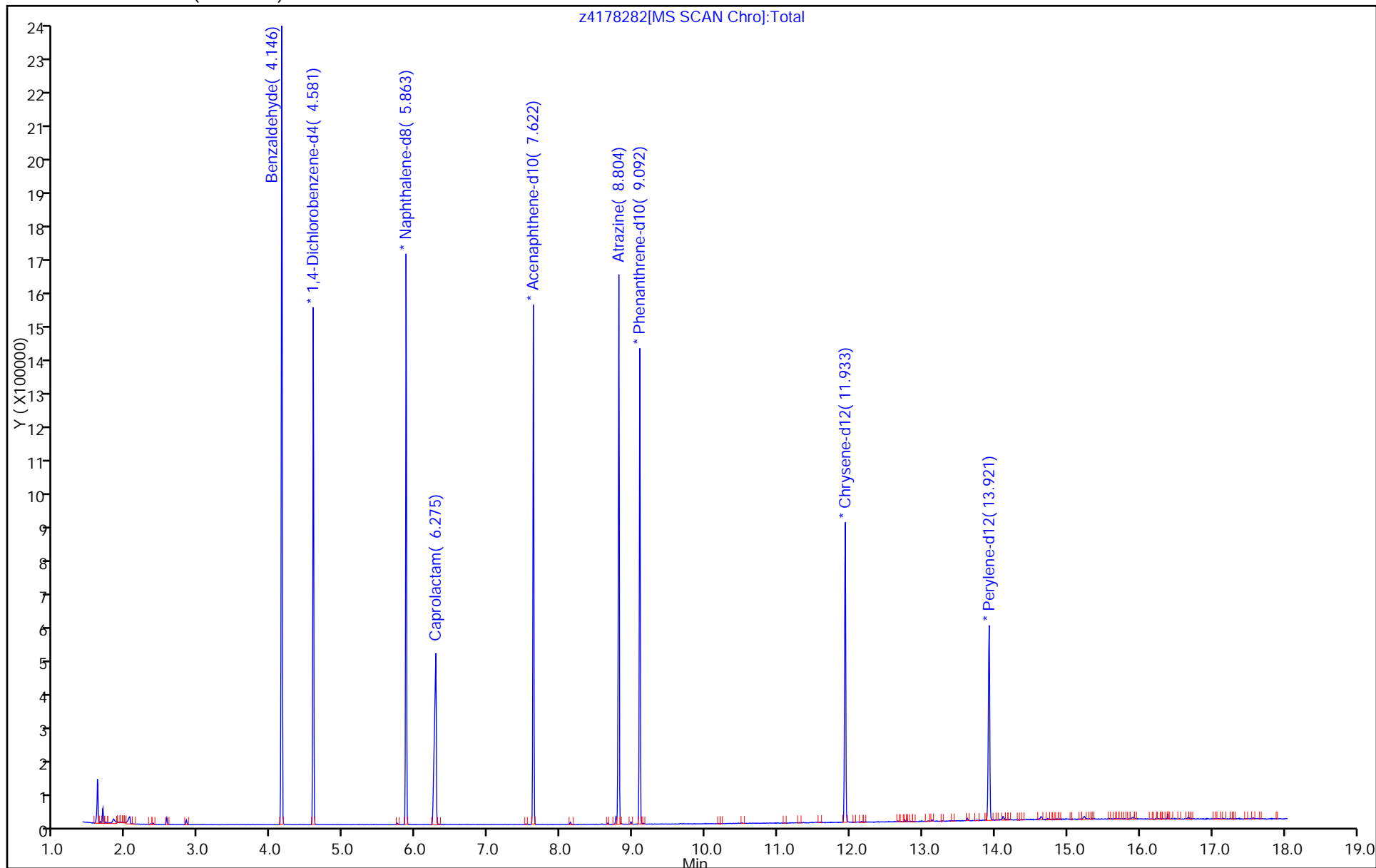
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178283.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 06-Apr-2016 17:41:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-014
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:50 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:59:14

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.140 | 4.145 | -0.005 | 94 | 139558 | 20.0 | 20.7 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 97 | 207474 | 40.0 | 40.0 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 691001 | 40.0 | 40.0 | |
| 42 Caprolactam | 113 | 6.251 | 6.269 | -0.018 | 91 | 32448 | 20.0 | 21.3 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 98 | 316080 | 40.0 | 40.0 | |
| 83 Atrazine | 200 | 8.798 | 8.804 | -0.006 | 94 | 63388 | 20.0 | 20.9 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 517967 | 40.0 | 40.0 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 99 | 357529 | 40.0 | 40.0 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 253589 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L5_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178283.D

Injection Date: 06-Apr-2016 17:41:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std20

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

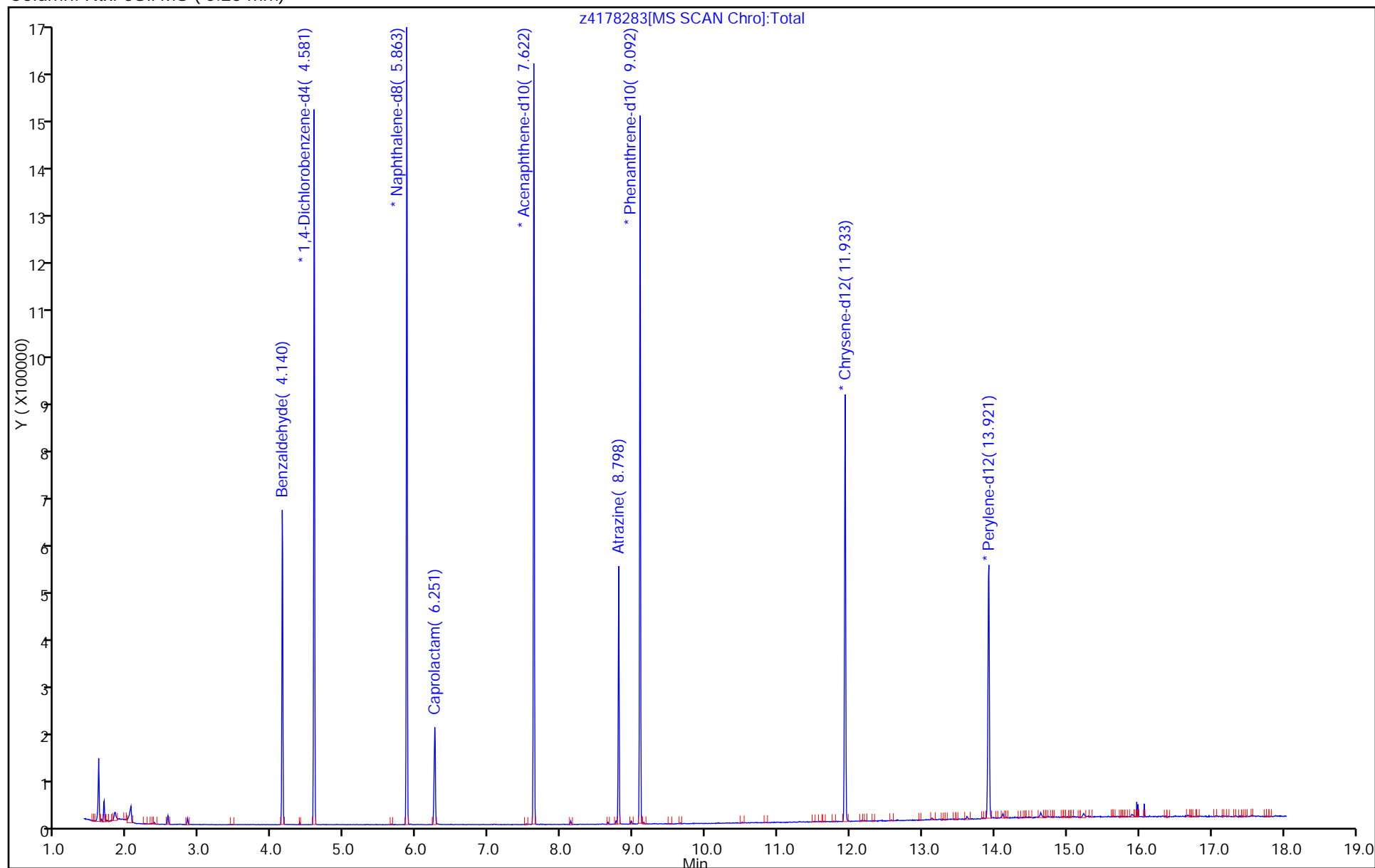
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178284.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 06-Apr-2016 18:05:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-015
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:56 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:59:36

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.140 | 4.145 | -0.005 | 95 | 64642 | 10.0 | 9.40 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 98 | 211915 | 40.0 | 40.0 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 706409 | 40.0 | 40.0 | |
| 42 Caprolactam | 113 | 6.245 | 6.269 | -0.024 | 90 | 14996 | 10.0 | 9.61 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 97 | 326163 | 40.0 | 40.0 | |
| 83 Atrazine | 200 | 8.798 | 8.804 | -0.006 | 95 | 30988 | 10.0 | 9.64 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 549233 | 40.0 | 40.0 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 99 | 421827 | 40.0 | 40.0 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 317089 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L4_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178284.D

Injection Date: 06-Apr-2016 18:05:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std10

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

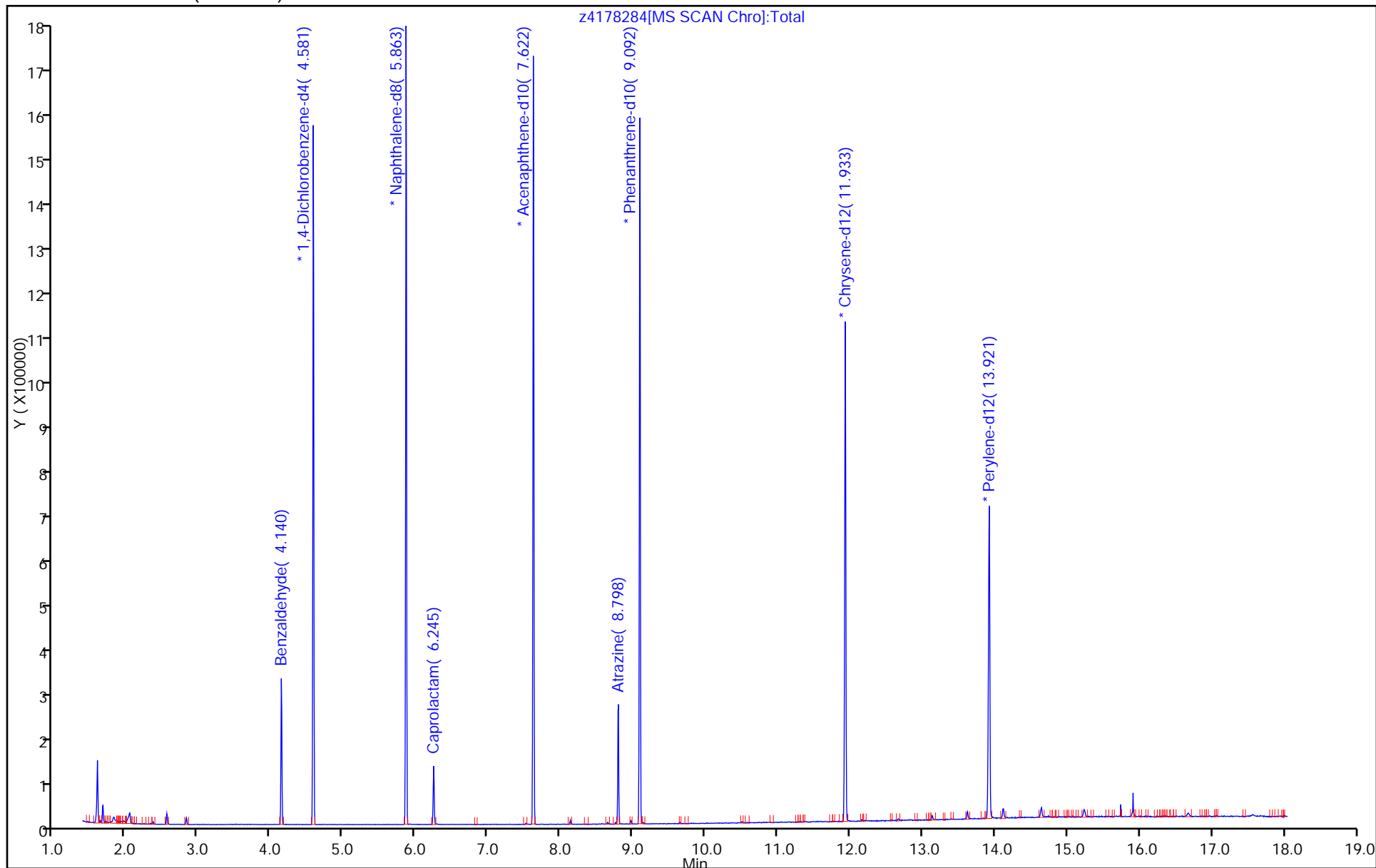
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178285.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 06-Apr-2016 18:30:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-016
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:59 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 19:06:00

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.140 | 4.145 | -0.005 | 95 | 33291 | 5.00 | 4.91 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 97 | 208938 | 40.0 | 40.0 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 713185 | 40.0 | 40.0 | |
| 42 Caprolactam | 113 | 6.245 | 6.269 | -0.024 | 92 | 7675 | 5.00 | 4.87 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 93 | 369731 | 40.0 | 40.0 | |
| 83 Atrazine | 200 | 8.792 | 8.804 | -0.012 | 94 | 16472 | 5.00 | 4.91 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 572882 | 40.0 | 40.0 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 99 | 414054 | 40.0 | 40.0 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 292033 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L3_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178285.D

Injection Date: 06-Apr-2016 18:30:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

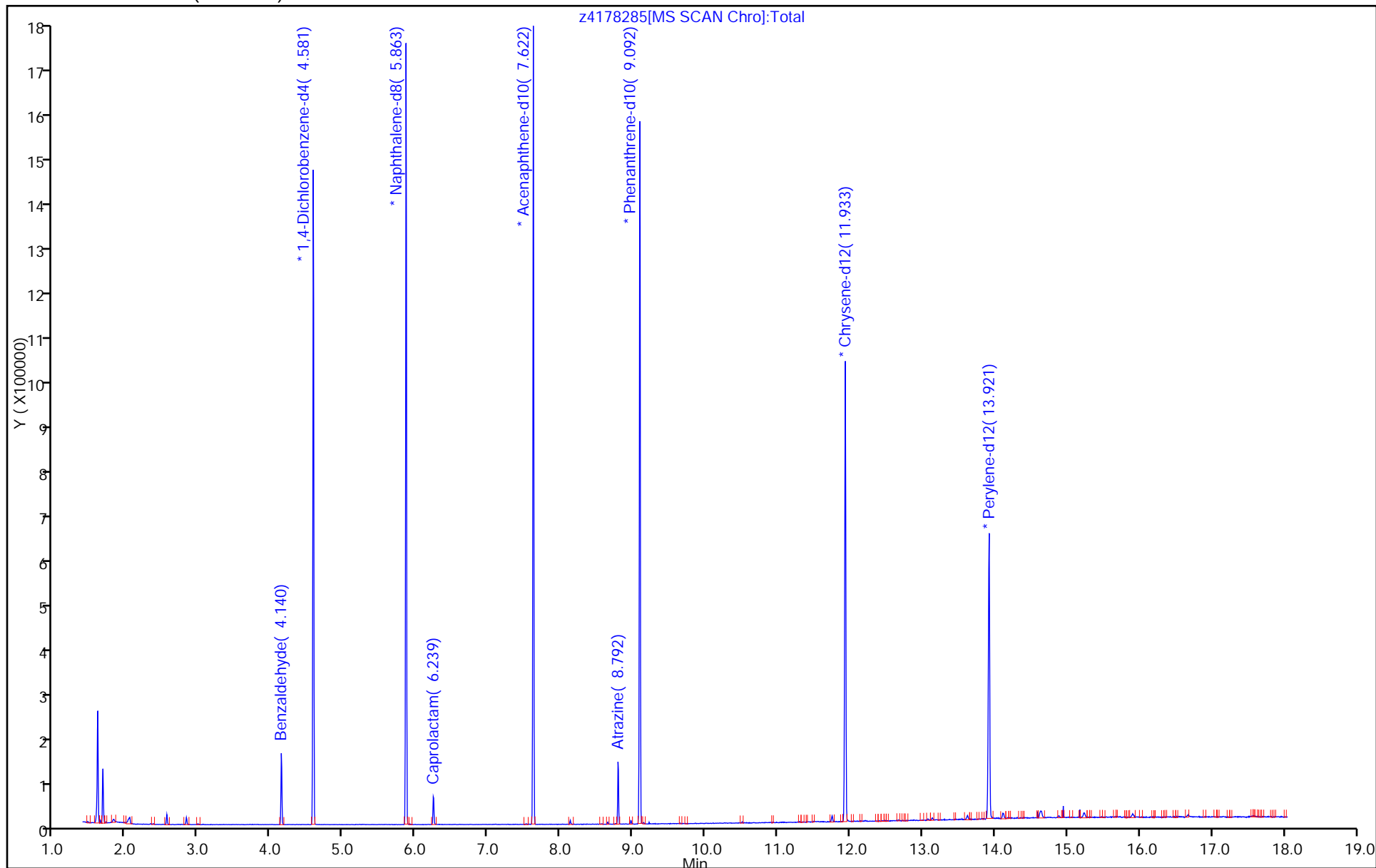
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 06-Apr-2016 18:54:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-017
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:08:03 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 19:23:45

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 98 | 214403 | 40.0 | 40.0 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 743713 | 40.0 | 40.0 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 98 | 347239 | 40.0 | 40.0 | |
| 83 Atrazine | 200 | 8.792 | 8.804 | -0.012 | 94 | 7318 | 2.00 | 2.14 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 585040 | 40.0 | 40.0 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 99 | 442275 | 40.0 | 40.0 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 330860 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L2_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178286.D

Injection Date: 06-Apr-2016 18:54:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

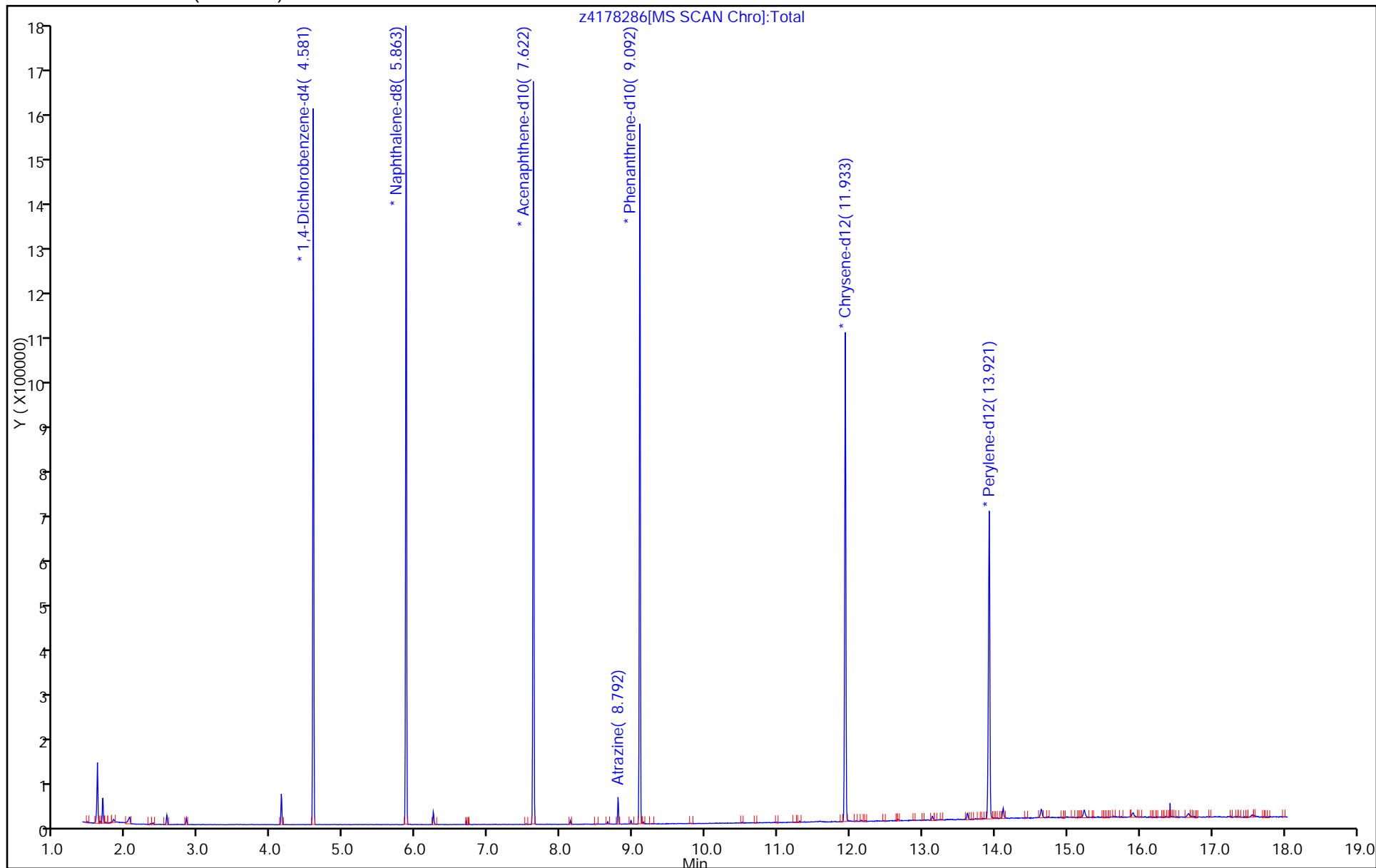
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

Calibration Files:

| | | |
|---------|---------------------|--------------|
| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
| Level 1 | STD05 460-361776/10 | L132499.D |
| Level 2 | STD1 460-361776/9 | L132498.D |
| Level 3 | STD2 460-361776/8 | L132497.D |
| Level 4 | STD5 460-361776/7 | L132496.D |
| Level 5 | STD10 460-361776/6 | L132495.D |
| Level 6 | STD20 460-361776/5 | L132494.D |
| Level 7 | ICIS 460-361776/2 | L132491.D |
| Level 8 | STD80 460-361776/4 | L132493.D |
| Level 9 | STD120 460-361776/3 | L132492.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-------------------------|------------------|------------------|------------------|------------------|--------|---------------|-------------|--------|----|--------|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,4-Dioxane | 0.5370 | 0.5213 | 0.5093 | 0.5230 0.5307 | 0.5205 | Ave | | 0.5236 | | | | 1.8 | | 20.0 | | | |
| N-Nitrosodimethylamine | 0.7580 | 0.7586 | 0.7589 | 0.7030 0.8022 | 0.7521 | Ave | | 0.7555 | | | | 4.2 | | 20.0 | | | |
| Pyridine | 1.3448 | 1.3393 | 1.3600 | 1.2732 1.4017 | 1.3488 | Ave | | 1.3446 | | | | 3.1 | | 20.0 | | | |
| Phenol | 1.6501 | 1.6204 | 1.6495 | 1.5607 1.6869 | 1.6932 | Ave | | 1.6435 | | 0.8000 | 3.0 | 20.0 | | 20.0 | | | |
| Aniline | 2.0017 | 1.9746 | 2.0186 | 1.8734 2.1227 | 2.0214 | Ave | | 2.0021 | | | | 4.0 | | 20.0 | | | |
| Bis(2-chloroethyl)ether | 1.4416 1.3010 | 1.3692 1.2824 | 1.2707 1.2816 | 1.2325 1.3120 | 1.3305 | Ave | | 1.3135 | | 0.7000 | 4.7 | 20.0 | | 20.0 | | | |
| 2-Chlorophenol | 1.3900 | 1.3872 | 1.3763 | 1.3292 1.4182 | 1.4215 | Ave | | 1.3871 | | 0.8000 | 2.4 | 20.0 | | 20.0 | | | |
| n-Decane | 2.1880 | 2.1079 | 2.0815 | 2.1141 2.1332 | 2.2087 | Ave | | 2.1389 | | | | 2.3 | | 20.0 | | | |
| 1,3-Dichlorobenzene | 1.5582 | 1.5220 | 1.5189 | 1.4799 1.5630 | 1.5813 | Ave | | 1.5372 | | | | 2.4 | | 20.0 | | | |
| 1,4-Dichlorobenzene | 1.5817 | 1.5513 | 1.5506 | 1.5192 1.5835 | 1.6014 | Ave | | 1.5646 | | | | 1.9 | | 20.0 | | | |
| Benzyl alcohol | 0.8677 | 0.8477 | 0.8755 | 0.7999 0.8875 | 0.8488 | Ave | | 0.8545 | | | | 3.6 | | 20.0 | | | |
| 1,2-Dichlorobenzene | 1.4966 | 1.4598 | 1.4617 | 1.4233 1.4953 | 1.5281 | Ave | | 1.4775 | | | | 2.5 | | 20.0 | | | |
| 2-Methylphenol | 1.2138 | 1.1745 | 1.2060 | 1.1287 1.2267 | 1.2384 | Ave | | 1.1980 | | 0.7000 | 3.4 | 20.0 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|------------------------------|------------------|------------------|------------------|------------------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,2'-oxybis[1-chloropropane] | 2.7023 | 2.6367 | 2.6562 | 2.5836 2.7174 | 2.7691 | Ave | | 2.6775 | | | 0.0100 | 2.5 | | 20.0 | | | |
| 3 & 4 Methylphenol | 1.3549 | 1.2773 | 1.2932 | 1.2852 1.2901 | 1.3931 | Ave | | 1.3156 | | | | 3.6 | | 20.0 | | | |
| 4-Methylphenol | 1.3549 | 1.2773 | 1.2932 | 1.2852 1.2901 | 1.3931 | Ave | | 1.3156 | | | 0.6000 | 3.6 | | 20.0 | | | |
| N-Nitrosodi-n-propylamine | 0.9517 0.9251 | 0.9574 0.8908 | 0.8805 0.9215 | 0.8649 0.9212 | 0.9506 | Ave | | 0.9182 | | | 0.5000 | 3.6 | | 20.0 | | | |
| Acetophenone | 1.7368 | 1.6404 | 1.6806 | 1.6570 1.6611 | 1.7723 | Ave | | 1.6914 | | | 0.0100 | 3.1 | | 20.0 | | | |
| Hexachloroethane | 0.5886 0.6242 | 0.6210 0.6065 | 0.6194 0.6036 | 0.5799 0.6255 | 0.6221 | Ave | | 0.6101 | | | 0.3000 | 2.7 | | 20.0 | | | |
| Nitrobenzene | 0.4751 0.4941 | 0.4770 0.4933 | 0.4993 0.4849 | 0.4896 0.5097 | 0.4972 | Ave | | 0.4911 | | | 0.2000 | 2.2 | | 20.0 | | | |
| n,n'-Dimethylaniline | 1.8878 1.9929 | 1.8974 1.9861 | 1.9227 1.9189 | 1.9106 1.9866 | 1.9832 | Ave | | 1.9429 | | | | 2.2 | | 20.0 | | | |
| Isophorone | 0.6254 | 0.5999 | 0.5645 0.6195 | 0.5879 0.6334 | 0.6179 | Ave | | 0.6069 | | | 0.4000 | 4.0 | | 20.0 | | | |
| 2-Nitrophenol | 0.1874 | 0.1902 | 0.1921 | 0.1637 0.1996 | 0.1860 | Ave | | 0.1865 | | | 0.1000 | 6.5 | | 20.0 | | | |
| 2,4-Dimethylphenol | 0.3159 | 0.3057 | 0.3089 | 0.2973 0.3189 | 0.3135 | Ave | | 0.3100 | | | 0.2000 | 2.5 | | 20.0 | | | |
| Benzoic acid | 0.1361 | 0.1550 | 0.1779 | 0.0762 0.1871 | 0.1075 | Lin2 | -0.543 | 0.1753 | | | 0.0100 | | | | 0.9910 | | 0.9900 |
| Bis(2-chloroethoxy)methane | 0.3953 | 0.3896 | 0.3915 | 0.3809 0.4069 | 0.3992 | Ave | | 0.3939 | | | 0.3000 | 2.3 | | 20.0 | | | |
| 2,4-Dichlorophenol | 0.2830 | 0.2792 | 0.2624 0.2813 | 0.2652 0.2913 | 0.2788 | Ave | | 0.2773 | | | 0.2000 | 3.7 | | 20.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3069 0.3054 | 0.3018 0.2973 | 0.2982 0.2972 | 0.2961 0.3084 | 0.3053 | Ave | | 0.3018 | | | | 1.6 | | 20.0 | | | |
| Naphthalene | 1.0426 | 1.0149 | 1.0095 | 1.0156 1.0460 | 1.0570 | Ave | | 1.0309 | | | 0.7000 | 1.9 | | 20.0 | | | |
| 4-Chloroaniline | 0.4193 | 0.4074 | 0.4125 | 0.3924 0.4208 | 0.4231 | Ave | | 0.4126 | | | 0.0100 | 2.8 | | 20.0 | | | |
| Hexachlorobutadiene | 0.1770 0.1690 | 0.1679 0.1693 | 0.1679 0.1690 | 0.1636 0.1760 | 0.1676 | Ave | | 0.1699 | | | 0.0100 | 2.6 | | 20.0 | | | |
| 4-Chloro-3-methylphenol | 0.2770 | 0.2690 | 0.2786 | 0.2505 0.2817 | 0.2726 | Ave | | 0.2716 | | | 0.2000 | 4.1 | | 20.0 | | | |
| 2-Methylnaphthalene | 0.6952 | 0.6670 | 0.6740 | 0.6690 0.6852 | 0.7076 | Ave | | 0.6830 | | | 0.4000 | 2.4 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|--------------------------------|----------------|------------------|------------------|------------------|--------|---------------|-------------|--------|-----------|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1-Methylnaphthalene | 0.6083 | 0.5780 | 0.5870 | 0.5723 0.5972 | 0.6065 | Ave | | 0.5915 | | | | 2.5 | | 20.0 | | | |
| Hexachlorocyclopentadiene | 0.2547 | 0.3062 | 0.3113 | 0.2124 0.3584 | 0.2429 | Ave | | 0.2810 | | | 0.0500 | 19.1 | | 20.0 | | | |
| 1,2,4,5-Tetrachlorobenzene | 0.5354 | 0.5436 | 0.5151 | 0.5191 0.5454 | 0.5467 | Ave | | 0.5342 | | | 0.0100 | 2.6 | | 20.0 | | | |
| 2-tertbutyl-4-methylphenol | 0.4596 | 0.4486 | 0.4396 | 0.4283 0.4514 | 0.4450 | Ave | | 0.4454 | | | | 2.4 | | 20.0 | | | |
| 2,4,6-Trichlorophenol | 0.3555 | 0.3604 | 0.3022 0.3531 | 0.3172 0.3790 | 0.3575 | Lin2 | -0.136 | 0.3637 | | | 0.2000 | | | | 0.9990 | | 0.9900 |
| 2,4,5-Trichlorophenol | 0.3776 | 0.3760 | 0.3756 | 0.3531 0.3897 | 0.3700 | Ave | | 0.3737 | | | 0.2000 | 3.2 | | 20.0 | | | |
| 1,1'-Biphenyl | 1.5828 | 1.5736 | 1.5095 | 1.5264 1.5895 | 1.6256 | Ave | | 1.5679 | | | 0.0100 | 2.7 | | 20.0 | | | |
| 2-Chloronaphthalene | 1.1729 | 1.1718 | 1.1346 | 1.1073 1.1887 | 1.1962 | Ave | | 1.1619 | | | 0.8000 | 2.9 | | 20.0 | | | |
| Phenyl ether | 0.8059 | 0.8409 | 0.7690 | 0.7852 0.8232 | 0.8032 | Ave | | 0.8046 | | | | 3.2 | | 20.0 | | | |
| 2-Nitroaniline | 0.4400 | 0.4329 | 0.4337 | 0.4209 0.4530 | 0.4420 | Ave | | 0.4371 | | | 0.0100 | 2.5 | | 20.0 | | | |
| 1,3-Dimethylnaphthalene | 0.9965 | 1.0245 | 0.8938 | 0.9984 0.9473 | 0.9896 | Ave | | 0.9750 | | | | 4.8 | | 20.0 | | | |
| Dimethyl phthalate | 1.2472 | 1.1760 | 1.1923 | 1.1933 1.2067 | 1.2767 | Ave | | 1.2153 | | | 0.0100 | 3.2 | | 20.0 | | | |
| Coumarin | 0.2050 | 0.1914 | 0.2035 | 0.1976 0.2020 | 0.2062 | Ave | | 0.2009 | | | | 2.8 | | 20.0 | | | |
| 2,6-Dinitrotoluene | 0.2907 | 0.2733 0.2788 | 0.2660 0.2846 | 0.2786 0.2921 | 0.2919 | Ave | | 0.2820 | | | 0.2000 | 3.4 | | 20.0 | | | |
| Acenaphthylene | 1.8308 | 1.7858 | 1.7537 | 1.7338 1.8210 | 1.8456 | Ave | | 1.7951 | | | 0.9000 | 2.5 | | 20.0 | | | |
| 3-Nitroaniline | 0.3133 | 0.2998 | 0.3185 | 0.2910 0.3195 | 0.3118 | Ave | | 0.3090 | | | 0.0100 | 3.6 | | 20.0 | | | |
| 3,5-di-tert-butyl-4-hydroxytol | 0.9655 | 1.0099 | 0.9456 | 0.8764 1.0145 | 0.9168 | Ave | | 0.9548 | | | | 5.6 | | 20.0 | | | |
| Acenaphthene | 1.2910 | 1.2755 | 1.2612 | 1.2050 1.1903 | 1.2895 | Ave | | 1.2521 | | | 0.9000 | 3.5 | | 20.0 | | | |
| 2,4-Dinitrophenol | 0.1539 | 0.1673 | 0.0816 0.1860 | 0.1065 0.1876 | 0.1454 | Qua | -0.633 | 0.1721 | 0.0000797 | | 0.0100 | | | | 0.9990 | | 0.9900 |
| 4-Nitrophenol | 0.2180 | 0.2116 | 0.2343 | 0.1941 0.2379 | 0.2193 | Ave | | 0.2192 | | | 0.0100 | 7.3 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-----------------------------|------------------|------------------|------------------|------------------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,4-Dinitrotoluene | 0.3656 | 0.3132 0.3453 | 0.3205 0.3656 | 0.3261 0.3623 | 0.3651 | Ave | | 0.3455 | | | 0.2000 | 6.5 | | 20.0 | | | |
| Dibenzofuran | 1.6284 | 1.5838 | 1.5876 | 1.5848 1.6253 | 1.6783 | Ave | | 1.6147 | | | 0.8000 | 2.3 | | 20.0 | | | |
| 2,3,4,6-Tetrachlorophenol | 0.2921 | 0.2847 | 0.2961 | 0.2539 0.2940 | 0.2859 | Ave | | 0.2845 | | | 0.0100 | 5.5 | | 20.0 | | | |
| Diethyl phthalate | 1.2646 | 1.1464 | 1.2142 | 1.1795 1.1742 | 1.2395 | Ave | | 1.2031 | | | 0.0100 | 3.7 | | 20.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.5762 | 0.5402 | 0.5441 | 0.5430 0.5474 | 0.5749 | Ave | | 0.5543 | | | 0.4000 | 3.0 | | 20.0 | | | |
| Fluorene | 1.3251 | 1.2449 | 1.2605 | 1.2874 1.2482 | 1.3591 | Ave | | 1.2875 | | | 0.9000 | 3.6 | | 20.0 | | | |
| 4-Nitroaniline | 0.2953 | 0.2767 | 0.3115 | 0.2698 0.3104 | 0.2950 | Ave | | 0.2931 | | | 0.0100 | 5.8 | | 20.0 | | | |
| 4,6-Dinitro-2-methylphenol | 0.1336 | 0.1405 | 0.0838 0.1449 | 0.1088 0.1524 | 0.1242 | Lin2 | -0.257 | 0.1432 | | | 0.0100 | | | | 0.9970 | | 0.9900 |
| N-Nitrosodiphenylamine | 0.6192 | 0.6172 | 0.5932 0.5881 | 0.5922 0.6228 | 0.6259 | Ave | | 0.6084 | | | 0.0100 | 2.7 | | 20.0 | | | |
| 1,2-Diphenylhydrazine | 0.8970 | 0.9157 | 0.8671 | 0.8351 0.9223 | 0.8790 | Ave | | 0.8860 | | | | 3.7 | | 20.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2207 | 0.2236 | 0.2152 | 0.2022 0.2295 | 0.2121 | Ave | | 0.2172 | | | 0.1000 | 4.4 | | 20.0 | | | |
| Hexachlorobenzene | 0.2183 0.2231 | 0.2268 0.2261 | 0.2189 0.2215 | 0.2142 0.2298 | 0.2211 | Ave | | 0.2222 | | | 0.1000 | 2.2 | | 20.0 | | | |
| Pentachlorophenol | 0.1397 | 0.1440 | 0.1031 0.1468 | 0.1171 0.1555 | 0.1385 | Ave | | 0.1350 | | | 0.0500 | 13.6 | | 20.0 | | | |
| Pentachloronitrobenzene | 0.0906 | 0.0955 | 0.0825 | 0.0889 0.0894 | 0.0909 | Ave | | 0.0896 | | | 0.0100 | 4.7 | | 20.0 | | | |
| n-Octadecane | 0.8045 | 0.8413 | 0.7840 | 0.7285 0.8292 | 0.7657 | Ave | | 0.7922 | | | | 5.3 | | 20.0 | | | |
| Phenanthrene | 1.1748 | 1.1533 | 1.1344 | 1.1340 1.1802 | 1.1684 | Ave | | 1.1575 | | | 0.7000 | 1.7 | | 20.0 | | | |
| Anthracene | 1.1758 | 1.1603 | 1.1460 | 1.0978 1.2049 | 1.1662 | Ave | | 1.1585 | | | 0.7000 | 3.1 | | 20.0 | | | |
| Carbazole | 1.0147 | 0.9724 | 1.0054 | 0.9852 1.0513 | 1.0347 | Ave | | 1.0106 | | | 0.0100 | 2.9 | | 20.0 | | | |
| Di-n-butyl phthalate | 1.3024 | 1.2304 | 1.2798 | 1.2306 1.3029 | 1.2783 | Ave | | 1.2708 | | | 0.0100 | 2.6 | | 20.0 | | | |
| Fluoranthene | 1.0753 | 1.0125 | 1.0605 | 1.0186 1.1135 | 1.0567 | Ave | | 1.0562 | | | 0.6000 | 3.5 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-----------------------------|------------------|------------------|------------------|------------------|--------|---------------|-------------|--------|-----------|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Benzidine | 0.4857 | 0.4894 | 0.6468 | 0.4533 0.6941 | 0.4550 | QuaF | | 0.4318 | 0.0022410 | | | | | | 0.9970 | | 0.9900 |
| Pyrene | 1.4950 | 1.5034 | 1.3962 | 1.4662 1.4149 | 1.5220 | Ave | | 1.4663 | | | 0.6000 | 3.5 | | 20.0 | | | |
| Bisphenol-A | 0.5523 | 0.5471 | 0.5783 | 0.6544 0.6019 | 0.5947 | Ave | | 0.5881 | | | | 6.7 | | 20.0 | | | |
| Butyl benzyl phthalate | 0.6801 | 0.6603 | 0.6580 | 0.6066 0.6839 | 0.6629 | Ave | | 0.6586 | | | 0.0100 | 4.2 | | 20.0 | | | |
| 2,3,7,8-TCDD | | 0.1521 | | | | Ave | | 0.1521 | | | | | | 20.0 | | | |
| Carbamazepine | 0.4686 | 0.4976 | 0.5336 | 0.3975 0.6061 | 0.4206 | Ave | | 0.4873 | | | | 15.7 | | 20.0 | | | |
| 3,3'-Dichlorobenzidine | 0.3984 | 0.4286 | 0.3167 0.4598 | 0.3550 0.4779 | 0.3702 | Ave | | 0.4010 | | | 0.0100 | 14.5 | | 20.0 | | | |
| Benzo[a]anthracene | 1.3575 1.1854 | 1.2814 1.1821 | 1.1944 1.1841 | 1.1149 1.2518 | 1.1972 | Ave | | 1.2165 | | | 0.8000 | 5.8 | | 20.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.9405 | 0.9209 | 0.9421 | 0.8677 0.9507 | 0.9076 | Ave | | 0.9216 | | | 0.0100 | 3.3 | | 20.0 | | | |
| Chrysene | 1.1007 | 1.0843 | 1.0850 | 1.0734 1.1226 | 1.1166 | Ave | | 1.0971 | | | 0.7000 | 1.8 | | 20.0 | | | |
| Di-n-octyl phthalate | 1.8067 | 1.7045 | 1.7453 | 1.5072 1.7244 | 1.6455 | Ave | | 1.6889 | | | 0.0100 | 6.1 | | 20.0 | | | |
| Benzo[b]fluoranthene | 1.0409 1.1972 | 1.0722 1.1979 | 1.1094 1.2733 | 1.1054 1.2652 | 1.1979 | Ave | | 1.1621 | | | 0.7000 | 7.2 | | 20.0 | | | |
| Benzo[k]fluoranthene | 1.1010 1.2901 | 1.1409 1.2636 | 1.2186 1.2035 | 1.1743 1.3293 | 1.2133 | Ave | | 1.2150 | | | 0.7000 | 5.9 | | 20.0 | | | |
| Benzo[a]pyrene | 0.9924 1.1546 | 0.9804 1.1729 | 0.9905 1.1653 | 1.0493 1.2418 | 1.1094 | Ave | | 1.0952 | | | 0.7000 | 8.7 | | 20.0 | | | |
| Indeno[1,2,3-cd]pyrene | 0.8043 0.9919 | 0.8699 1.1160 | 0.8544 1.1082 | 0.8898 1.2507 | 0.9829 | Ave | | 0.9854 | | | 0.5000 | 15.0 | | 20.0 | | | |
| Dibenz(a,h)anthracene | 0.7511 0.9958 | 0.8071 1.0542 | 0.8247 1.0574 | 0.8698 1.1614 | 0.9719 | Ave | | 0.9437 | | | 0.4000 | 14.6 | | 20.0 | | | |
| Benzo[g,h,i]perylene | 1.0261 | 1.0707 | 1.0663 | 0.9457 1.1910 | 0.9998 | Ave | | 1.0499 | | | 0.5000 | 7.9 | | 20.0 | | | |
| 2-Fluorophenol (Surr) | 1.2416 1.2713 | 1.3911 1.4062 | 1.3357 1.3305 | 1.3357 1.5843 | 1.3206 | Ave | | 1.3602 | | | | 7.8 | | 20.0 | | | |
| Phenol-d5 (Surr) | 1.4154 1.5312 | 1.7366 1.6976 | 1.6513 1.6363 | 1.6513 1.8878 | 1.6477 | Ave | | 1.6505 | | | | 8.4 | | 20.0 | | | |
| Nitrobenzene-d5 (Surr) | 0.3644 0.3497 | 0.3485 0.3972 | 0.4048 0.3768 | 0.3874 0.4414 | 0.3792 | Ave | | 0.3833 | | | | 7.6 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-----------------------------|------------------|------------------|------------------|------------------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| | LVL 6 | LVL 7 | LVL 8 | LVL 9 | | | | | | | | | | | | | |
| 2-Fluorobiphenyl | 1.2383 1.3541 | 1.3162 1.5196 | 1.5609 1.3766 | 1.4311 1.6168 | 1.4383 | Ave | | 1.4280 | | | | 8.5 | | 20.0 | | | |
| 2,4,6-Tribromophenol (Surr) | 0.1519 | 0.0861 0.1654 | 0.1403 0.1657 | 0.1515 0.1839 | 0.1594 | Lin2 | -0.079 | 0.1692 | | | 0.0100 | | | | 0.9960 | | 0.9900 |
| Terphenyl-d14 (Surr) | 0.9080 0.9567 | 0.8925 1.0634 | 1.0569 0.9589 | 1.0491 1.0862 | 1.0245 | Ave | | 0.9996 | | | | 7.2 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|---------------------|--------------|
| Level 1 | STD05 460-361776/10 | L132499.D |
| Level 2 | STD1 460-361776/9 | L132498.D |
| Level 3 | STD2 460-361776/8 | L132497.D |
| Level 4 | STD5 460-361776/7 | L132496.D |
| Level 5 | STD10 460-361776/6 | L132495.D |
| Level 6 | STD20 460-361776/5 | L132494.D |
| Level 7 | ICIS 460-361776/2 | L132491.D |
| Level 8 | STD80 460-361776/4 | L132493.D |
| Level 9 | STD120 460-361776/3 | L132492.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|------------------------------|--------|------------|----------------|----------------|-----------------|------------------|--------|-----------------------|----------------|----------------|----------------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 |
| 1,4-Dioxane | DCB | Ave | 46506 | 121177 | 153856 | 11911 239705 | 23185 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| N-Nitrosodimethylamine | DCB | Ave | 65652 | 176332 | 229261 | 16009 362340 | 33503 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Pyridine | DCB | Ave | 116472 | 311327 | 410830 | 28995 633117 | 60084 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Phenol | DCB | Ave | 142915 | 376663 | 498279 | 35542 761941 | 75423 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Aniline | DCB | Ave | 173367 | 458999 | 609787 | 42665 958761 | 90047 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Bis(2-chloroethyl)ether | DCB | Ave | 2966 112679 | 5829 298106 | 12128 387147 | 28068 592606 | 59270 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 2-Chlorophenol | DCB | Ave | 120388 | 322453 | 415754 | 30272 640541 | 63321 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| n-Decane | DCB | Ave | 189502 | 489994 | 628806 | 48146 963477 | 98389 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 134952 | 353790 | 458833 | 33703 705958 | 70439 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 136989 | 360616 | 468405 | 34598 715221 | 71334 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Benzyl alcohol | DCB | Ave | 75148 | 197048 | 264474 | 18216 400837 | 37811 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 129619 | 339349 | 441563 | 32415 675370 | 68070 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-Methylphenol | DCB | Ave | 105127 | 273011 | 364303 | 25705 554050 | 55167 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,2'-oxybis[1-chloropropane] | DCB | Ave | 234040 | 612913 | 802414 | 58839 1227341 | 123352 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|----------------------------|--------|------------|-----------------|-----------------|-----------------|------------------|--------|-----------------------|----------------|----------------|----------------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 |
| 3 & 4 Methylphenol | DCB | Ave | 117350 | 296913 | 390659 | 29268 582711 | 62057 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4-Methylphenol | DCB | Ave | 117350 | 296913 | 390659 | 29268 582711 | 62057 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| N-Nitrosodi-n-propylamine | DCB | Ave | 1958 80124 | 4076 207081 | 8404 278370 | 19697 416072 | 42344 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Acetophenone | DCB | Ave | 150421 | 381325 | 507684 | 37735 750285 | 78949 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Hexachloroethane | DCB | Ave | 1211 54063 | 2644 140983 | 5912 182335 | 13206 282533 | 27713 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Nitrobenzene | NPT | Ave | 3618 159286 | 7529 419769 | 17011 551652 | 40467 838619 | 83146 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| n,n'-Dimethylaniline | DCB | Ave | 3884 172606 | 8078 461679 | 18350 579682 | 43512 897279 | 88345 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Isophorone | NPT | Ave | 19231 201614 | 48596 510476 | 704764 | 103331 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 | |
| 2-Nitrophenol | NPT | Ave | 60406 | 161819 | 218554 | 13529 328499 | 31110 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,4-Dimethylphenol | NPT | Ave | 101836 | 260171 | 351379 | 24571 524794 | 52433 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Benzoic acid | NPT | Lin2 | 43884 | 131866 | 202394 | 6302 307943 | 17969 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 127433 | 331541 | 445379 | 31484 669586 | 66761 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,4-Dichlorophenol | NPT | Ave | 91252 | 237622 | 320027 | 8940 479287 | 46618 | 20.0 | 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 2337 98470 | 4763 252980 | 10158 338131 | 24476 507489 | 51051 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Naphthalene | NPT | Ave | 336123 | 863644 | 1148350 | 83948 1721194 | 176758 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4-Chloroaniline | NPT | Ave | 135181 | 346671 | 469285 | 32436 692469 | 70757 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Hexachlorobutadiene | NPT | Ave | 54484 | 144054 | 192207 | 2793 13523 | 28031 | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 4-Chloro-3-methylphenol | NPT | Ave | 89292 | 228917 | 316936 | 20709 463546 | 45590 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-Methylnaphthalene | NPT | Ave | 224117 | 567564 | 766717 | 55302 1127408 | 118332 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1-Methylnaphthalene | NPT | Ave | 196122 | 491881 | 667729 | 47303 982606 | 101420 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Hexachlorocyclopentadiene | ANT | Ave | 41529 | 124220 | 181403 | 8766 286589 | 20337 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|--------------------------------|-----------|---------------|----------------|----------------|----------------|------------------|--------|-----------------------|----------------|----------------|----------------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 |
| 1,2,4,5-Tetrachlorobenzene | ANT | Ave | 87289 | 220486 | 300159 | 21418 436138 | 45779 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-tertbutyl-4-methylphenol | NPT | Ave | 148156 | 381752 | 500063 | 35400 742828 | 74423 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,4,6-Trichlorophenol | ANT | Lin2 | 57965 | 146169 | 4827 205751 | 13087 303090 | 29934 | 20.0 | 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 2,4,5-Trichlorophenol | ANT | Ave | 61560 | 152520 | 218865 | 14568 311670 | 30983 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1,1'-Biphenyl | ANT | Ave | 258045 | 638285 | 879668 | 62984 1271178 | 136117 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-Chloronaphthalene | ANT | Ave | 191228 | 475302 | 661212 | 45688 950595 | 100164 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Phenyl ether | ANT | Ave | 131395 | 341081 | 448160 | 32401 658344 | 67254 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-Nitroaniline | ANT | Ave | 71738 | 175592 | 252716 | 17368 362244 | 37009 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 1,3-Dimethylnaphthalene | ANT | Ave | 162464 | 415544 | 520896 | 41195 757594 | 82865 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Dimethyl phthalate | ANT | Ave | 203341 | 476991 | 694797 | 49237 965022 | 106900 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Coumarin | NPT | Ave | 66075 | 162901 | 231541 | 16334 332323 | 34480 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,6-Dinitrotoluene | ANT | Ave | 47394 | 2162 113100 | 4248 165867 | 11494 233584 | 24442 | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Acenaphthylene | ANT | Ave | 298490 | 724368 | 1021976 | 71539 1456296 | 154541 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 3-Nitroaniline | ANT | Ave | 51075 | 121605 | 185606 | 12008 255489 | 26104 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 3,5-di-tert-butyl-4-hydroxytol | ANT | Ave | 157417 | 409632 | 551071 | 36163 811293 | 76767 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Acenaphthene | ANT | Ave | 210478 | 517370 | 734994 | 49721 951912 | 107970 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,4-Dinitrophenol | ANT | Qua | 50166 | 135702 | 2607 216786 | 8786 300048 | 24343 | 40.0 | 100 | 4.00 160 | 10.0 240 | 20.0 |
| 4-Nitrophenol | ANT | Ave | 71075 | 171669 | 273026 | 16018 380562 | 36733 | 40.0 | 100 | 160 | 10.0 240 | 20.0 |
| 2,4-Dinitrotoluene | ANT | Ave | 59612 | 2478 140056 | 5119 213065 | 13457 289724 | 30572 | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Dibenzofuran | ANT | Ave | 265477 | 642431 | 925168 | 65393 1299757 | 140527 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2,3,4,6-Tetrachlorophenol | ANT | Ave | 47628 | 115482 | 172564 | 10476 235153 | 23943 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|-----------------------------|-----------|---------------|----------------|-----------------|------------------|------------------|--------|-----------------------|----------------|----------------|----------------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 |
| Diethyl phthalate | ANT | Ave | 206180 | 465018 | 707610 | 48669 939048 | 103785 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 93933 | 219116 | 317096 | 22405 437749 | 48140 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Fluorene | ANT | Ave | 216043 | 504968 | 734584 | 53119 998202 | 113800 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4-Nitroaniline | ANT | Ave | 48147 | 112227 | 181504 | 11131 248268 | 24700 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4,6-Dinitro-2-methylphenol | PHN | Lin2 | 63780 | 154087 | 3990 247751 | 13379 335376 | 31148 | 40.0 | 100 | 4.00 160 | 10.0 240 | 20.0 |
| N-Nitrosodiphenylamine | PHN | Ave | 295607 | 676984 | 28246 1005527 | 72795 1370776 | 157012 | 40.0 | 100 | 4.00 160 | 10.0 240 | 20.0 |
| 1,2-Diphenylhydrazine | PHN | Ave | 214117 | 502209 | 741305 | 51321 1015015 | 110253 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 52672 | 122627 | 183929 | 12428 252612 | 26602 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Hexachlorobenzene | PHN | Ave | 1279 53261 | 2655 123977 | 5212 189359 | 13165 252931 | 27738 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Pentachlorophenol | PHN | Ave | 4911 66691 | 14399 157991 | 250991 | 342243 | 34755 | 40.0 | 100 | 4.00 160 | 10.0 240 | 20.0 |
| Pentachloronitrobenzene | PHN | Ave | 21632 | 52379 | 70537 | 5462 98398 | 11401 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| n-Octadecane | PHN | Ave | 192031 | 461416 | 670240 | 44771 912501 | 96040 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Phenanthrene | PHN | Ave | 280430 | 632514 | 969776 | 69692 1298823 | 146548 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Anthracene | PHN | Ave | 280671 | 636318 | 979666 | 67466 1325949 | 146284 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Carbazole | PHN | Ave | 242202 | 533273 | 859524 | 60547 1156944 | 129780 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Di-n-butyl phthalate | PHN | Ave | 310875 | 674799 | 1094105 | 75632 1433836 | 160344 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Fluoranthene | PHN | Ave | 256684 | 555262 | 906605 | 62602 1225426 | 132541 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Benzidine | PHN | QuaF | 115936 | 268425 | 552897 | 27857 763814 | 57075 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Pyrene | CRY | Ave | 261297 | 563415 | 920703 | 64583 1245269 | 133778 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Bisphenol-A | CRY | Ave | 96530 | 205032 | 381366 | 28824 529756 | 52270 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Butyl benzyl phthalate | CRY | Ave | 118865 | 247459 | 433948 | 26719 601895 | 58268 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|-----------------------------|--------|------------|----------------|-----------------|-----------------|------------------|--------|-----------------------|----------------|----------------|----------------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 | LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 |
| 2,3,7,8-TCDD | CRY | Ave | | 570 | | | | | 0.500 | | | |
| Carbamazepine | CRY | Ave | 81907 | 186467 | 351864 | 533453 | 36972 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 69638 | 160628 | 303185 | 420625 | 32536 | 20.0 | 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Benzo[a]anthracene | CRY | Ave | 6130 207175 | 10943 442989 | 20988 780836 | 49111 1101774 | 105231 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 164380 | 345105 | 621262 | 38221 836772 | 79772 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Chrysene | CRY | Ave | 192382 | 406337 | 715475 | 47280 988037 | 98142 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Di-n-octyl phthalate | PRY | Ave | 256851 | 545279 | 1023317 | 53649 1432182 | 120445 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| Benzo[b]fluoranthene | PRY | Ave | 3740 170206 | 7612 383213 | 15518 746562 | 39348 1050866 | 87679 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Benzo[k]fluoranthene | PRY | Ave | 3956 183410 | 8100 404253 | 17046 705626 | 41800 1104048 | 88809 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Benzo[a]pyrene | PRY | Ave | 3566 164151 | 6960 375238 | 13855 683257 | 37350 1031386 | 81202 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 2890 141023 | 6176 357020 | 11952 649745 | 31673 1038812 | 71944 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 2699 141576 | 5730 337249 | 11536 619950 | 30963 964586 | 71142 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 145884 | 342518 | 625177 | 33663 989171 | 73182 | 20.0 | 50.0 | 80.0 | 5.00 120 | 10.0 |
| 2-Fluorophenol (Surr) | DCB | Ave | 5286 110110 | 13277 326885 | 30420 401930 | 58825 715591 | | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Phenol-d5 (Surr) | DCB | Ave | 6026 132615 | 16574 394626 | 37607 494295 | 73399 852643 | | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Nitrobenzene-d5 (Surr) | NPT | Ave | 2775 112728 | 5500 337966 | 13790 428648 | 32026 726264 | 63420 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 2-Fluorobiphenyl | ANT | Ave | 4678 220771 | 10413 616368 | 24930 802251 | 59052 1293004 | 120431 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| 2,4,6-Tribromophenol (Surr) | ANT | Lin2 | 681 24770 | 2241 67097 | 6250 96577 | 13343 147033 | | 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |
| Terphenyl-d14 (Surr) | CRY | Ave | 4100 167204 | 7622 398507 | 18573 632363 | 46212 955956 | 90046 | 0.500 20.0 | 1.00 50.0 | 2.00 80.0 | 5.00 120 | 10.0 |

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132491.D
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 11-Apr-2016 10:45:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-002
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:19 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 14:44:04

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 1 1,4-Dioxane | 88 | 1.835 | 1.835 | 0.000 | 96 | 121177 | 50.0 | 49.8 | |
| 2 N-Nitrosodimethylamine | 74 | 2.076 | 2.076 | 0.000 | 79 | 176332 | 50.0 | 50.2 | |
| 3 Pyridine | 79 | 2.111 | 2.111 | 0.000 | 79 | 311327 | 50.0 | 49.8 | |
| \$ 4 2-Fluorophenol | 112 | 3.288 | 3.288 | 0.000 | 93 | 326885 | 50.0 | 51.7 | |
| \$ 6 Phenol-d5 | 99 | 4.211 | 4.211 | 0.000 | 89 | 394626 | 50.0 | 51.4 | |
| 7 Phenol | 94 | 4.223 | 4.223 | 0.000 | 98 | 376663 | 50.0 | 49.3 | |
| 8 Aniline | 93 | 4.258 | 4.258 | 0.000 | 99 | 458999 | 50.0 | 49.3 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.323 | 4.323 | 0.000 | 93 | 298106 | 50.0 | 48.8 | |
| 10 2-Chlorophenol | 128 | 4.382 | 4.382 | 0.000 | 95 | 322453 | 50.0 | 50.0 | |
| 11 n-Decane | 43 | 4.429 | 4.429 | 0.000 | 95 | 489994 | 50.0 | 49.3 | |
| 12 1,3-Dichlorobenzene | 146 | 4.540 | 4.540 | 0.000 | 95 | 353790 | 50.0 | 49.5 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.593 | 4.593 | 0.000 | 96 | 185965 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.611 | 4.611 | 0.000 | 94 | 360616 | 50.0 | 49.6 | |
| 15 Benzyl alcohol | 108 | 4.723 | 4.723 | 0.000 | 93 | 197048 | 50.0 | 49.6 | |
| 16 1,2-Dichlorobenzene | 146 | 4.764 | 4.764 | 0.000 | 96 | 339349 | 50.0 | 49.4 | |
| 17 2-Methylphenol | 108 | 4.835 | 4.835 | 0.000 | 89 | 273011 | 50.0 | 49.0 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.864 | 4.864 | 0.000 | 93 | 612913 | 50.0 | 49.2 | |
| 20 3 & 4 Methylphenol | 108 | 4.993 | 4.993 | 0.000 | 77 | 296913 | 50.0 | 48.5 | |
| 19 4-Methylphenol | 108 | 4.993 | 4.993 | 0.000 | 74 | 296913 | 50.0 | 48.5 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.999 | 4.999 | 0.000 | 76 | 207081 | 50.0 | 48.5 | |
| 22 Acetophenone | 105 | 4.999 | 4.999 | 0.000 | 90 | 381325 | 50.0 | 48.5 | |
| 25 Hexachloroethane | 117 | 5.111 | 5.111 | 0.000 | 95 | 140983 | 50.0 | 49.7 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.146 | 5.146 | 0.000 | 92 | 337966 | 50.0 | 51.8 | |
| 27 Nitrobenzene | 77 | 5.170 | 5.170 | 0.000 | 89 | 419769 | 50.0 | 50.2 | |
| 28 n,n'-Dimethylaniline | 120 | 5.176 | 5.176 | 0.000 | 93 | 461679 | 50.0 | 51.1 | |
| 29 Isophorone | 82 | 5.411 | 5.411 | 0.000 | 99 | 510476 | 50.0 | 49.4 | |
| 30 2-Nitrophenol | 139 | 5.487 | 5.487 | 0.000 | 89 | 161819 | 50.0 | 51.0 | |
| 31 2,4-Dimethylphenol | 122 | 5.529 | 5.529 | 0.000 | 91 | 260171 | 50.0 | 49.3 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.623 | 5.623 | 0.000 | 96 | 331541 | 50.0 | 49.5 | |
| 33 Benzoic acid | 122 | 5.635 | 5.635 | 0.000 | 90 | 131866 | 50.0 | 47.3 | |
| 34 2,4-Dichlorophenol | 162 | 5.729 | 5.729 | 0.000 | 95 | 237622 | 50.0 | 50.3 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 1,2,4-Trichlorobenzene | 180 | 5.823 | 5.823 | 0.000 | 95 | 252980 | 50.0 | 49.2 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 680747 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.899 | 5.899 | 0.000 | 99 | 863644 | 50.0 | 49.2 | |
| 38 4-Chloroaniline | 127 | 5.946 | 5.946 | 0.000 | 96 | 346671 | 50.0 | 49.4 | |
| 39 Hexachlorobutadiene | 225 | 6.029 | 6.029 | 0.000 | 94 | 144054 | 50.0 | 49.8 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.429 | 6.429 | 0.000 | 98 | 228917 | 50.0 | 49.5 | |
| 42 2-Methylnaphthalene | 142 | 6.593 | 6.593 | 0.000 | 85 | 567564 | 50.0 | 48.8 | |
| 43 1-Methylnaphthalene | 142 | 6.693 | 6.693 | 0.000 | 93 | 491881 | 50.0 | 48.9 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.758 | 6.758 | 0.000 | 94 | 124220 | 50.0 | 54.5 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.764 | 6.764 | 0.000 | 96 | 220486 | 50.0 | 50.9 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.787 | 6.787 | 0.000 | 91 | 381752 | 50.0 | 50.4 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.876 | 6.876 | 0.000 | 87 | 146169 | 50.0 | 49.9 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.905 | 6.905 | 0.000 | 96 | 152520 | 50.0 | 50.3 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.958 | 6.958 | 0.000 | 98 | 616368 | 50.0 | 53.2 | |
| 51 1,1'-Biphenyl | 154 | 7.058 | 7.058 | 0.000 | 94 | 638285 | 50.0 | 50.2 | |
| 52 2-Chloronaphthalene | 162 | 7.081 | 7.081 | 0.000 | 97 | 475302 | 50.0 | 50.4 | |
| 53 Phenyl ether | 170 | 7.164 | 7.164 | 0.000 | 90 | 341081 | 50.0 | 52.3 | |
| 54 2-Nitroaniline | 65 | 7.176 | 7.176 | 0.000 | 99 | 175592 | 50.0 | 49.5 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.299 | 7.299 | 0.000 | 91 | 415544 | 50.0 | 52.5 | |
| 58 Dimethyl phthalate | 163 | 7.358 | 7.358 | 0.000 | 99 | 476991 | 50.0 | 48.4 | |
| 59 Coumarin | 146 | 7.387 | 7.387 | 0.000 | 80 | 162901 | 50.0 | 47.6 | |
| 60 2,6-Dinitrotoluene | 165 | 7.417 | 7.417 | 0.000 | 95 | 113100 | 50.0 | 49.4 | |
| 61 Acenaphthylene | 152 | 7.493 | 7.493 | 0.000 | 98 | 724368 | 50.0 | 49.7 | |
| 62 3-Nitroaniline | 138 | 7.587 | 7.587 | 0.000 | 95 | 121605 | 50.0 | 48.5 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.634 | 0.000 | 93 | 324496 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.652 | 7.652 | 0.000 | 98 | 409632 | 50.0 | 52.9 | |
| 65 Acenaphthene | 154 | 7.670 | 7.670 | 0.000 | 95 | 517370 | 50.0 | 50.9 | |
| 66 2,4-Dinitrophenol | 184 | 7.687 | 7.687 | 0.000 | 91 | 135702 | 100.0 | 96.5 | |
| 67 4-Nitrophenol | 65 | 7.746 | 7.746 | 0.000 | 92 | 171669 | 100.0 | 96.5 | |
| 68 2,4-Dinitrotoluene | 165 | 7.817 | 7.817 | 0.000 | 95 | 140056 | 50.0 | 50.0 | |
| 69 Dibenzofuran | 168 | 7.834 | 7.834 | 0.000 | 96 | 642431 | 50.0 | 49.0 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.958 | 7.958 | 0.000 | 92 | 115482 | 50.0 | 50.0 | |
| 71 Diethyl phthalate | 149 | 8.058 | 8.058 | 0.000 | 98 | 465018 | 50.0 | 47.6 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.170 | 8.170 | 0.000 | 83 | 219116 | 50.0 | 48.7 | |
| 74 Fluorene | 166 | 8.176 | 8.176 | 0.000 | 84 | 504968 | 50.0 | 48.3 | |
| 75 4-Nitroaniline | 138 | 8.193 | 8.193 | 0.000 | 92 | 112227 | 50.0 | 47.2 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.223 | 8.223 | 0.000 | 81 | 154087 | 100.0 | 99.9 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.287 | 8.287 | 0.000 | 68 | 676984 | 100.0 | 101.4 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.328 | 8.328 | 0.000 | 99 | 502209 | 50.0 | 51.7 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.411 | 8.411 | 0.000 | 93 | 67097 | 50.0 | 49.4 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.652 | 8.652 | 0.000 | 84 | 122627 | 50.0 | 51.5 | |
| 81 Hexachlorobenzene | 284 | 8.728 | 8.728 | 0.000 | 99 | 123977 | 50.0 | 50.9 | |
| 83 Pentachlorophenol | 266 | 8.917 | 8.917 | 0.000 | 92 | 157991 | 100.0 | 106.7 | |
| 84 Pentachloronitrobenzene | 237 | 8.928 | 8.928 | 0.000 | 85 | 52379 | 50.0 | 53.3 | |
| 72 n-Octadecane | 57 | 8.987 | 8.987 | 0.000 | 92 | 461416 | 50.0 | 53.1 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 438741 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.123 | 9.123 | 0.000 | 98 | 632514 | 50.0 | 49.8 | |
| 87 Anthracene | 178 | 9.175 | 9.175 | 0.000 | 98 | 636318 | 50.0 | 50.1 | |
| 88 Carbazole | 167 | 9.328 | 9.328 | 0.000 | 96 | 533273 | 50.0 | 48.1 | |
| 89 Di-n-butyl phthalate | 149 | 9.664 | 9.664 | 0.000 | 100 | 674799 | 50.0 | 48.4 | |
| 90 Fluoranthene | 202 | 10.299 | 10.299 | 0.000 | 97 | 555262 | 50.0 | 47.9 | |
| 91 Benzidine | 184 | 10.422 | 10.422 | 0.000 | 100 | 268425 | 50.0 | 45.8 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 92 Pyrene | 202 | 10.534 | 10.534 | 0.000 | 97 | 563415 | 50.0 | 51.3 | |
| 93 Bisphenol-A | 213 | 10.564 | 10.564 | 0.000 | 99 | 205032 | 50.0 | 46.5 | |
| \$ 94 Terphenyl-d14 | 244 | 10.693 | 10.693 | 0.000 | 98 | 398507 | 50.0 | 53.2 | |
| 95 Butyl benzyl phthalate | 149 | 11.234 | 11.234 | 0.000 | 97 | 247459 | 50.0 | 50.1 | |
| 96 2,3,7,8-TCDD | 320 | 11.358 | 11.358 | 0.000 | 1 | 570 | 0.5000 | 0.5000 | |
| 97 Carbamazepine | 193 | 11.369 | 11.369 | 0.000 | 92 | 186467 | 50.0 | 51.0 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.887 | 11.887 | 0.000 | 99 | 160628 | 50.0 | 53.4 | |
| 99 Benzo[a]anthracene | 228 | 11.922 | 11.922 | 0.000 | 99 | 442989 | 50.0 | 48.6 | |
| * 100 Chrysene-d12 | 240 | 11.940 | 11.940 | 0.000 | 98 | 299807 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.952 | 11.952 | 0.000 | 88 | 345105 | 50.0 | 50.0 | |
| 101 Chrysene | 228 | 11.969 | 11.969 | 0.000 | 98 | 406337 | 50.0 | 49.4 | |
| 103 Di-n-octyl phthalate | 149 | 12.840 | 12.840 | 0.000 | 97 | 545279 | 50.0 | 50.5 | |
| 104 Benzo[b]fluoranthene | 252 | 13.381 | 13.381 | 0.000 | 98 | 383213 | 50.0 | 51.5 | |
| 105 Benzo[k]fluoranthene | 252 | 13.422 | 13.422 | 0.000 | 99 | 404253 | 50.0 | 52.0 | |
| 106 Benzo[a]pyrene | 252 | 13.840 | 13.840 | 0.000 | 96 | 375238 | 50.0 | 53.6 | |
| * 107 Perylene-d12 | 264 | 13.922 | 13.922 | 0.000 | 96 | 255928 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.410 | 15.410 | 0.000 | 97 | 357020 | 50.0 | 56.6 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.440 | 15.440 | 0.000 | 93 | 337249 | 50.0 | 55.9 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.793 | 15.793 | 0.000 | 94 | 342518 | 50.0 | 51.0 | |

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132491.D

Injection Date: 11-Apr-2016 10:45:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ICIS

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

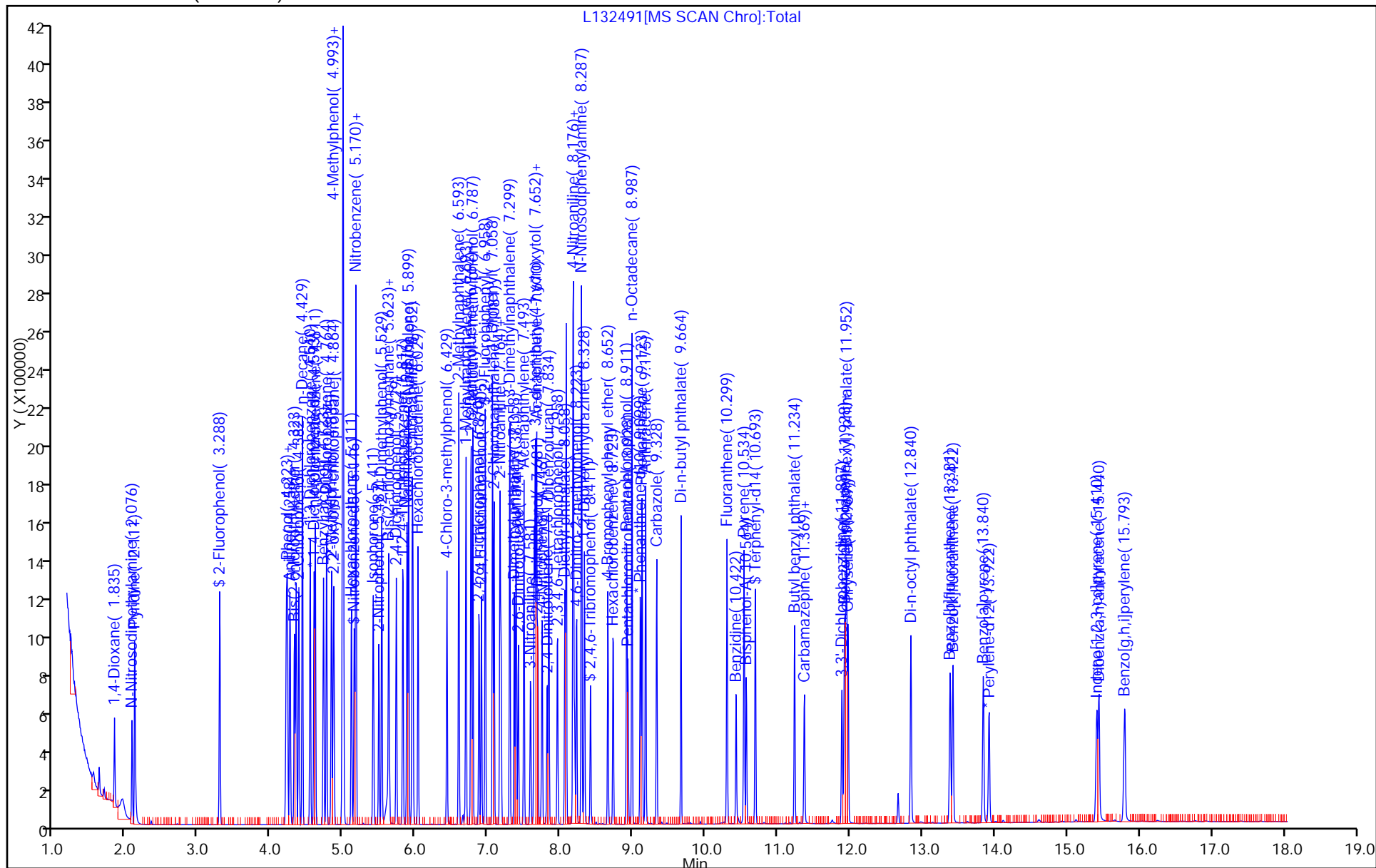
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132492.D
 Lims ID: STD120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 11-Apr-2016 11:11:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-003
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:24 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 14:57:51

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.829 | 1.835 | -0.006 | 95 | 239705 | 120.0 | 121.6 | |
| 2 N-Nitrosodimethylamine | 74 | 2.082 | 2.076 | 0.006 | 78 | 362340 | 120.0 | 127.4 | |
| 3 Pyridine | 79 | 2.111 | 2.111 | 0.000 | 79 | 633117 | 120.0 | 125.1 | |
| \$ 4 2-Fluorophenol | 112 | 3.294 | 3.288 | 0.006 | 93 | 715591 | 120.0 | 139.8 | |
| \$ 6 Phenol-d5 | 99 | 4.223 | 4.211 | 0.012 | 93 | 852643 | 120.0 | 137.3 | |
| 7 Phenol | 94 | 4.235 | 4.223 | 0.012 | 98 | 761941 | 120.0 | 123.2 | |
| 8 Aniline | 93 | 4.264 | 4.258 | 0.006 | 99 | 958761 | 120.0 | 127.2 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.329 | 4.323 | 0.006 | 93 | 592606 | 120.0 | 119.9 | |
| 10 2-Chlorophenol | 128 | 4.388 | 4.382 | 0.006 | 94 | 640541 | 120.0 | 122.7 | |
| 11 n-Decane | 43 | 4.435 | 4.429 | 0.006 | 94 | 963477 | 120.0 | 119.7 | |
| 12 1,3-Dichlorobenzene | 146 | 4.541 | 4.540 | 0.001 | 95 | 705958 | 120.0 | 122.0 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.594 | 4.593 | 0.001 | 97 | 150556 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.611 | 4.611 | 0.000 | 93 | 715221 | 120.0 | 121.4 | |
| 15 Benzyl alcohol | 108 | 4.735 | 4.723 | 0.012 | 92 | 400837 | 120.0 | 124.6 | |
| 16 1,2-Dichlorobenzene | 146 | 4.770 | 4.764 | 0.006 | 95 | 675370 | 120.0 | 121.4 | |
| 17 2-Methylphenol | 108 | 4.841 | 4.835 | 0.006 | 89 | 554050 | 120.0 | 122.9 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.870 | 4.864 | 0.006 | 93 | 1227341 | 120.0 | 121.8 | |
| 20 3 & 4 Methylphenol | 108 | 5.005 | 4.993 | 0.012 | 80 | 582711 | 120.0 | 117.7 | |
| 19 4-Methylphenol | 108 | 5.005 | 4.993 | 0.012 | 84 | 582711 | 120.0 | 117.7 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 5.005 | 4.999 | 0.006 | 94 | 416072 | 120.0 | 120.4 | |
| 22 Acetophenone | 105 | 5.005 | 4.999 | 0.006 | 91 | 750285 | 120.0 | 117.9 | |
| 25 Hexachloroethane | 117 | 5.111 | 5.111 | 0.000 | 94 | 282533 | 120.0 | 123.0 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.158 | 5.146 | 0.012 | 91 | 726264 | 120.0 | 138.2 | |
| 27 Nitrobenzene | 77 | 5.182 | 5.170 | 0.012 | 81 | 838619 | 120.0 | 124.5 | |
| 28 n,n'-Dimethylaniline | 120 | 5.182 | 5.176 | 0.006 | 87 | 897279 | 120.0 | 122.7 | |
| 29 Isophorone | 82 | 5.423 | 5.411 | 0.012 | 99 | 1042268 | 120.0 | 125.2 | |
| 30 2-Nitrophenol | 139 | 5.493 | 5.487 | 0.006 | 89 | 328499 | 120.0 | 128.5 | |
| 31 2,4-Dimethylphenol | 122 | 5.535 | 5.529 | 0.006 | 91 | 524794 | 120.0 | 123.4 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.629 | 5.623 | 0.006 | 96 | 669586 | 120.0 | 124.0 | |
| 33 Benzoic acid | 122 | 5.676 | 5.635 | 0.041 | 93 | 307943 | 120.0 | 131.2 | |
| 34 2,4-Dichlorophenol | 162 | 5.735 | 5.729 | 0.006 | 95 | 479287 | 120.0 | 126.0 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 1,2,4-Trichlorobenzene | 180 | 5.823 | 5.823 | 0.000 | 96 | 507489 | 120.0 | 122.6 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 548492 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.899 | 5.899 | 0.000 | 99 | 1721194 | 120.0 | 121.8 | |
| 38 4-Chloroaniline | 127 | 5.952 | 5.946 | 0.006 | 96 | 692469 | 120.0 | 122.4 | |
| 39 Hexachlorobutadiene | 225 | 6.029 | 6.029 | 0.000 | 93 | 289679 | 120.0 | 124.3 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.435 | 6.429 | 0.006 | 98 | 463546 | 120.0 | 124.5 | |
| 42 2-Methylnaphthalene | 142 | 6.593 | 6.593 | 0.000 | 85 | 1127408 | 120.0 | 120.4 | |
| 43 1-Methylnaphthalene | 142 | 6.693 | 6.693 | 0.000 | 93 | 982606 | 120.0 | 121.1 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.758 | 6.758 | 0.000 | 95 | 286589 | 120.0 | 153.0 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.764 | 6.764 | 0.000 | 95 | 436138 | 120.0 | 122.5 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.787 | 6.787 | 0.000 | 90 | 742828 | 120.0 | 121.6 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.876 | 6.876 | 0.000 | 87 | 303090 | 120.0 | 125.4 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.911 | 6.905 | 0.006 | 96 | 311670 | 120.0 | 125.2 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.964 | 6.958 | 0.006 | 98 | 1293004 | 120.0 | 135.9 | |
| 51 1,1'-Biphenyl | 154 | 7.064 | 7.058 | 0.006 | 95 | 1271178 | 120.0 | 121.7 | |
| 52 2-Chloronaphthalene | 162 | 7.082 | 7.081 | 0.001 | 96 | 950595 | 120.0 | 122.8 | |
| 53 Phenyl ether | 170 | 7.164 | 7.164 | 0.000 | 87 | 658344 | 120.0 | 122.8 | |
| 54 2-Nitroaniline | 65 | 7.182 | 7.176 | 0.006 | 98 | 362244 | 120.0 | 124.4 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.299 | 7.299 | 0.000 | 91 | 757594 | 120.0 | 116.6 | |
| 58 Dimethyl phthalate | 163 | 7.370 | 7.358 | 0.012 | 99 | 965022 | 120.0 | 119.1 | |
| 59 Coumarin | 146 | 7.387 | 7.387 | 0.000 | 73 | 332323 | 120.0 | 120.6 | |
| 60 2,6-Dinitrotoluene | 165 | 7.423 | 7.417 | 0.006 | 95 | 233584 | 120.0 | 124.3 | |
| 61 Acenaphthylene | 152 | 7.499 | 7.493 | 0.006 | 97 | 1456296 | 120.0 | 121.7 | |
| 62 3-Nitroaniline | 138 | 7.593 | 7.587 | 0.006 | 95 | 255489 | 120.0 | 124.1 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.634 | 0.000 | 92 | 266573 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.652 | 7.652 | 0.000 | 98 | 811293 | 120.0 | 127.5 | |
| 65 Acenaphthene | 154 | 7.670 | 7.670 | 0.000 | 96 | 951912 | 120.0 | 114.1 | |
| 66 2,4-Dinitrophenol | 184 | 7.693 | 7.687 | 0.006 | 93 | 300048 | 240.0 | 238.8 | |
| 67 4-Nitrophenol | 65 | 7.752 | 7.746 | 0.006 | 92 | 380562 | 240.0 | 260.5 | |
| 68 2,4-Dinitrotoluene | 165 | 7.823 | 7.817 | 0.006 | 95 | 289724 | 120.0 | 125.8 | |
| 69 Dibenzofuran | 168 | 7.840 | 7.834 | 0.006 | 96 | 1299757 | 120.0 | 120.8 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.958 | 7.958 | 0.000 | 92 | 235153 | 120.0 | 124.0 | |
| 71 Diethyl phthalate | 149 | 8.064 | 8.058 | 0.006 | 98 | 939048 | 120.0 | 117.1 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.170 | 8.170 | 0.000 | 84 | 437749 | 120.0 | 118.5 | |
| 74 Fluorene | 166 | 8.182 | 8.176 | 0.006 | 95 | 998202 | 120.0 | 116.3 | |
| 75 4-Nitroaniline | 138 | 8.205 | 8.193 | 0.012 | 93 | 248268 | 120.0 | 127.1 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.234 | 8.223 | 0.011 | 82 | 335376 | 240.0 | 257.1 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.293 | 8.287 | 0.006 | 68 | 1370776 | 240.0 | 245.7 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.334 | 8.328 | 0.006 | 99 | 1015015 | 120.0 | 124.9 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.417 | 8.411 | 0.006 | 93 | 147033 | 120.0 | 130.9 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.652 | 8.652 | 0.000 | 83 | 252612 | 120.0 | 126.8 | |
| 81 Hexachlorobenzene | 284 | 8.729 | 8.728 | 0.001 | 99 | 252931 | 120.0 | 124.1 | |
| 83 Pentachlorophenol | 266 | 8.917 | 8.917 | 0.000 | 92 | 342243 | 240.0 | 276.5 | |
| 84 Pentachloronitrobenzene | 237 | 8.934 | 8.928 | 0.006 | 86 | 98398 | 120.0 | 119.7 | |
| 72 n-Octadecane | 57 | 8.987 | 8.987 | 0.000 | 93 | 912501 | 120.0 | 125.6 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 366824 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.129 | 9.123 | 0.005 | 98 | 1298823 | 120.0 | 122.4 | |
| 87 Anthracene | 178 | 9.176 | 9.175 | 0.001 | 98 | 1325949 | 120.0 | 124.8 | |
| 88 Carbazole | 167 | 9.329 | 9.328 | 0.000 | 96 | 1156944 | 120.0 | 124.8 | |
| 89 Di-n-butyl phthalate | 149 | 9.664 | 9.664 | 0.000 | 100 | 1433836 | 120.0 | 123.0 | |
| 90 Fluoranthene | 202 | 10.299 | 10.299 | 0.000 | 97 | 1225426 | 120.0 | 126.5 | |
| 91 Benzidine | 184 | 10.428 | 10.422 | 0.006 | 99 | 763814 | 120.0 | 119.2 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 92 Pyrene | 202 | 10.534 | 10.534 | 0.000 | 96 | 1245269 | 120.0 | 115.8 | |
| 93 Bisphenol-A | 213 | 10.570 | 10.564 | 0.006 | 99 | 529756 | 120.0 | 122.8 | |
| \$ 94 Terphenyl-d14 | 244 | 10.693 | 10.693 | 0.000 | 99 | 955956 | 120.0 | 130.4 | |
| 95 Butyl benzyl phthalate | 149 | 11.234 | 11.234 | 0.000 | 98 | 601895 | 120.0 | 124.6 | |
| 97 Carbamazepine | 193 | 11.375 | 11.369 | 0.006 | 92 | 533453 | 120.0 | 149.2 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.893 | 11.887 | 0.006 | 100 | 420625 | 120.0 | 143.0 | |
| 99 Benzo[a]anthracene | 228 | 11.928 | 11.922 | 0.006 | 99 | 1101774 | 120.0 | 123.5 | |
| * 100 Chrysene-d12 | 240 | 11.940 | 11.940 | 0.000 | 98 | 293376 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.952 | 11.952 | 0.000 | 89 | 836772 | 120.0 | 123.8 | |
| 101 Chrysene | 228 | 11.975 | 11.969 | 0.006 | 98 | 988037 | 120.0 | 122.8 | |
| 103 Di-n-octyl phthalate | 149 | 12.840 | 12.840 | 0.000 | 97 | 1432182 | 120.0 | 122.5 | |
| 104 Benzo[b]fluoranthene | 252 | 13.393 | 13.381 | 0.012 | 98 | 1050866 | 120.0 | 130.6 | |
| 105 Benzo[k]fluoranthene | 252 | 13.428 | 13.422 | 0.006 | 98 | 1104048 | 120.0 | 131.3 | |
| 106 Benzo[a]pyrene | 252 | 13.852 | 13.840 | 0.012 | 95 | 1031386 | 120.0 | 136.1 | |
| * 107 Perylene-d12 | 264 | 13.922 | 13.922 | 0.000 | 96 | 276854 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.422 | 15.410 | 0.012 | 98 | 1038812 | 120.0 | 152.3 | M |
| 109 Dibenz(a,h)anthracene | 278 | 15.452 | 15.440 | 0.012 | 95 | 964586 | 120.0 | 147.7 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.816 | 15.793 | 0.023 | 94 | 989171 | 120.0 | 136.1 | |
| S 117 Total Cresols | 1 | | | | 0 | | | 240.5 | |

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L8_00010

Amount Added: 1.00

Units: mL

Operator ID:

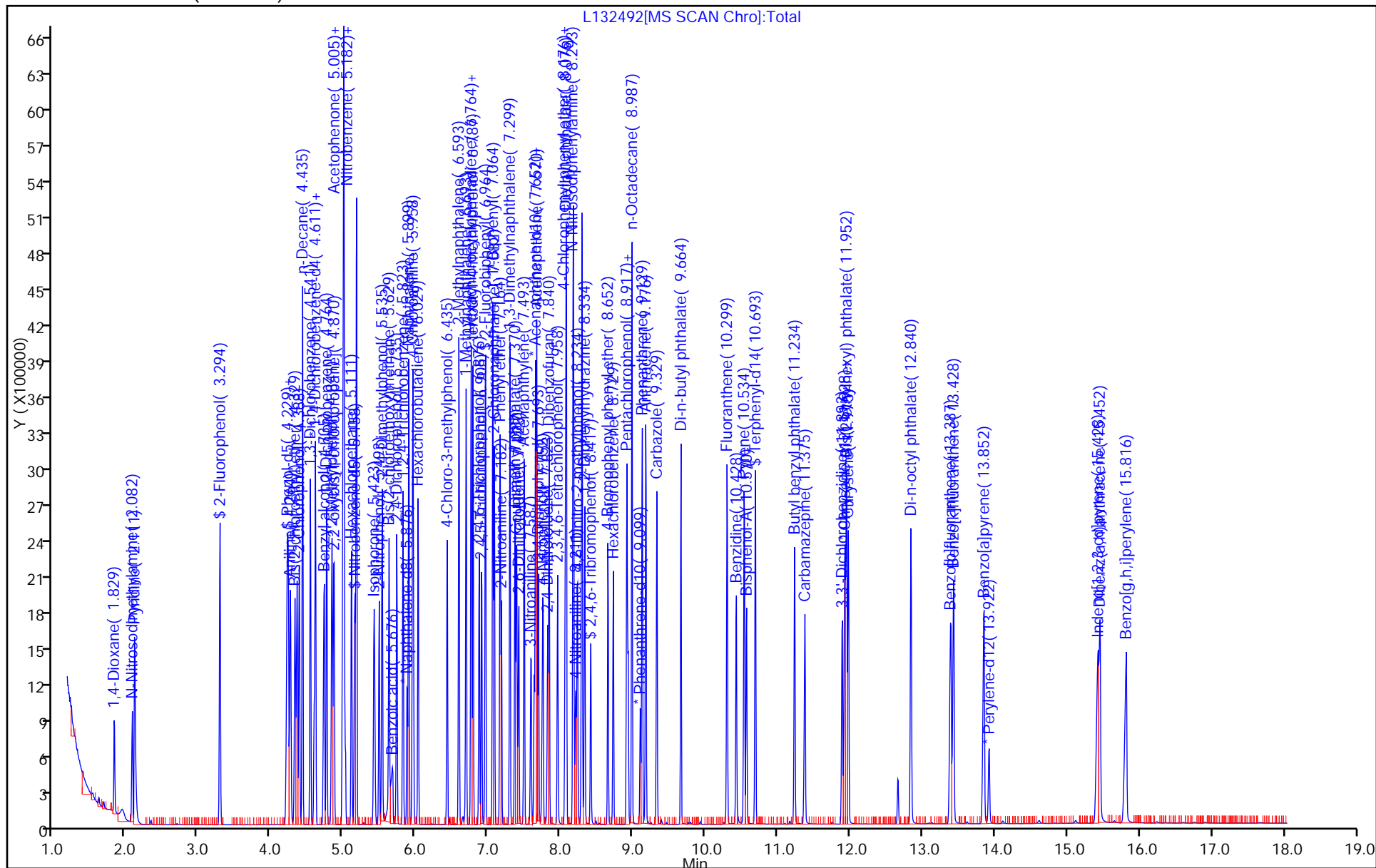
Worklist Smp#: 3

Client ID:

ALS Bottle#: 3

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

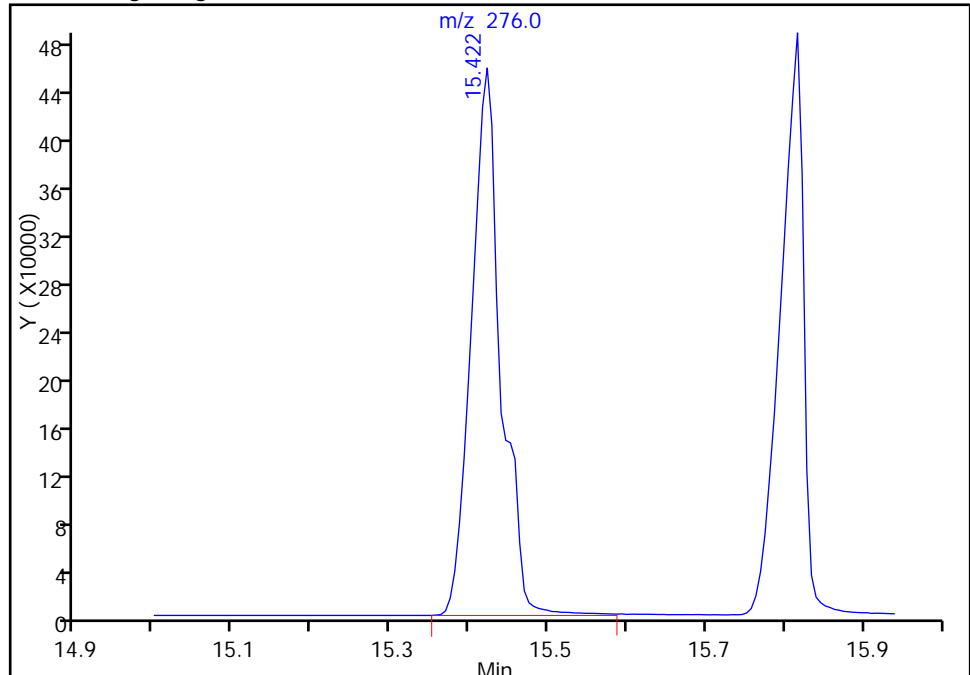
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132492.D
Injection Date: 11-Apr-2016 11:11:30 Instrument ID: CBNAMS12
Lims ID: STD120
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 3 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

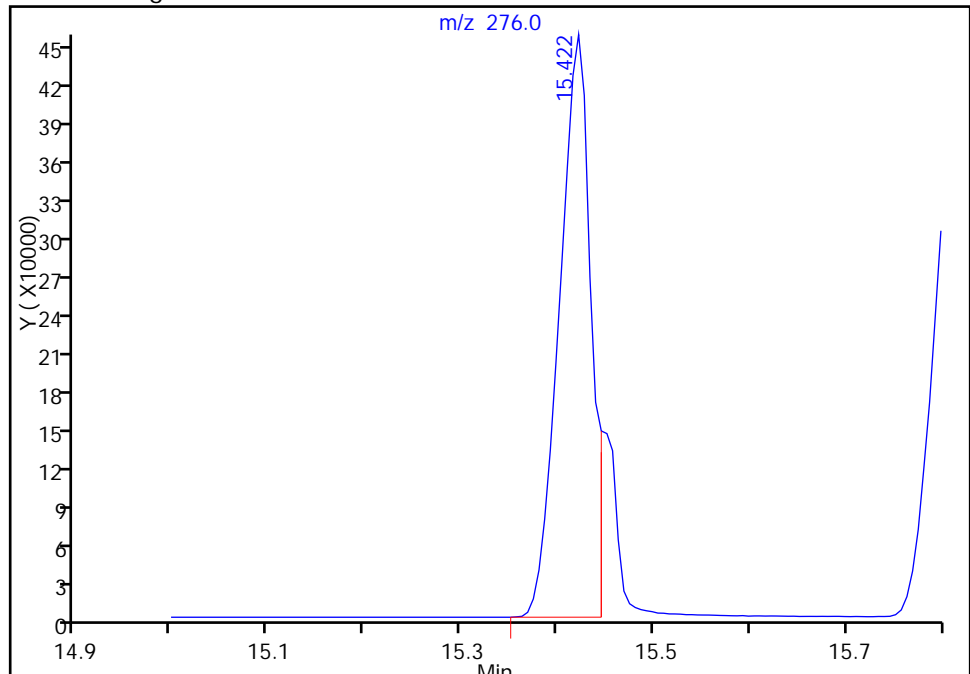
RT: 15.42
Area: 1185990
Amount: 144.4252
Amount Units: ug/ml

Processing Integration Results



RT: 15.42
Area: 1038812
Amount: 152.3187
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 14:57:51
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132493.D
 Lims ID: STD80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Apr-2016 11:37:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-004
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:29 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 14:58:38

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.835 | 1.835 | 0.000 | 97 | 153856 | 80.0 | 77.8 | |
| 2 N-Nitrosodimethylamine | 74 | 2.076 | 2.076 | 0.000 | 79 | 229261 | 80.0 | 80.4 | |
| 3 Pyridine | 79 | 2.111 | 2.111 | 0.000 | 79 | 410830 | 80.0 | 80.9 | |
| \$ 4 2-Fluorophenol | 112 | 3.288 | 3.288 | 0.000 | 94 | 401930 | 80.0 | 78.3 | |
| \$ 6 Phenol-d5 | 99 | 4.211 | 4.211 | 0.000 | 88 | 494295 | 80.0 | 79.3 | |
| 7 Phenol | 94 | 4.229 | 4.223 | 0.006 | 98 | 498279 | 80.0 | 80.3 | |
| 8 Aniline | 93 | 4.264 | 4.258 | 0.006 | 100 | 609787 | 80.0 | 80.7 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.323 | 4.323 | 0.000 | 93 | 387147 | 80.0 | 78.1 | |
| 10 2-Chlorophenol | 128 | 4.388 | 4.382 | 0.006 | 94 | 415754 | 80.0 | 79.4 | |
| 11 n-Decane | 43 | 4.435 | 4.429 | 0.006 | 95 | 628806 | 80.0 | 77.9 | |
| 12 1,3-Dichlorobenzene | 146 | 4.541 | 4.540 | 0.000 | 95 | 458833 | 80.0 | 79.0 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.593 | 4.593 | 0.000 | 97 | 151043 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.611 | 4.611 | 0.000 | 94 | 468405 | 80.0 | 79.3 | |
| 15 Benzyl alcohol | 108 | 4.729 | 4.723 | 0.006 | 92 | 264474 | 80.0 | 82.0 | |
| 16 1,2-Dichlorobenzene | 146 | 4.764 | 4.764 | 0.000 | 97 | 441563 | 80.0 | 79.1 | |
| 17 2-Methylphenol | 108 | 4.835 | 4.835 | 0.000 | 89 | 364303 | 80.0 | 80.5 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.864 | 4.864 | 0.000 | 93 | 802414 | 80.0 | 79.4 | |
| 20 3 & 4 Methylphenol | 108 | 4.993 | 4.993 | 0.000 | 88 | 390659 | 80.0 | 78.6 | |
| 19 4-Methylphenol | 108 | 4.993 | 4.993 | 0.000 | 84 | 390659 | 80.0 | 78.6 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.999 | 4.999 | 0.000 | 95 | 278370 | 80.0 | 80.3 | |
| 22 Acetophenone | 105 | 4.999 | 4.999 | 0.000 | 89 | 507684 | 80.0 | 79.5 | |
| 25 Hexachloroethane | 117 | 5.111 | 5.111 | 0.000 | 95 | 182335 | 80.0 | 79.1 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.152 | 5.146 | 0.006 | 91 | 428648 | 80.0 | 78.7 | |
| 27 Nitrobenzene | 77 | 5.170 | 5.170 | 0.000 | 93 | 551652 | 80.0 | 79.0 | |
| 28 n,n'-Dimethylaniline | 120 | 5.176 | 5.176 | 0.000 | 95 | 579682 | 80.0 | 79.0 | |
| 29 Isophorone | 82 | 5.417 | 5.411 | 0.006 | 99 | 704764 | 80.0 | 81.7 | |
| 30 2-Nitrophenol | 139 | 5.487 | 5.487 | 0.000 | 89 | 218554 | 80.0 | 82.4 | |
| 31 2,4-Dimethylphenol | 122 | 5.529 | 5.529 | 0.000 | 91 | 351379 | 80.0 | 79.7 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.623 | 5.623 | 0.000 | 96 | 445379 | 80.0 | 79.5 | |
| 33 Benzoic acid | 122 | 5.652 | 5.635 | 0.017 | 91 | 202394 | 80.0 | 84.3 | |
| 34 2,4-Dichlorophenol | 162 | 5.729 | 5.729 | 0.000 | 95 | 320027 | 80.0 | 81.2 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 1,2,4-Trichlorobenzene | 180 | 5.823 | 5.823 | 0.000 | 95 | 338131 | 80.0 | 78.8 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 568774 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.899 | 5.899 | 0.000 | 99 | 1148350 | 80.0 | 78.3 | |
| 38 4-Chloroaniline | 127 | 5.952 | 5.946 | 0.006 | 96 | 469285 | 80.0 | 80.0 | |
| 39 Hexachlorobutadiene | 225 | 6.029 | 6.029 | 0.000 | 94 | 192207 | 80.0 | 79.5 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.429 | 6.429 | 0.000 | 98 | 316936 | 80.0 | 82.1 | |
| 42 2-Methylnaphthalene | 142 | 6.593 | 6.593 | 0.000 | 85 | 766717 | 80.0 | 78.9 | |
| 43 1-Methylnaphthalene | 142 | 6.693 | 6.693 | 0.000 | 93 | 667729 | 80.0 | 79.4 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.758 | 6.758 | 0.000 | 95 | 181403 | 80.0 | 88.6 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.764 | 6.764 | 0.000 | 96 | 300159 | 80.0 | 77.1 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.787 | 6.787 | 0.000 | 90 | 500063 | 80.0 | 79.0 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.870 | 6.876 | -0.006 | 88 | 205751 | 80.0 | 78.0 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.905 | 6.905 | 0.000 | 96 | 218865 | 80.0 | 80.4 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.958 | 6.958 | 0.000 | 98 | 802251 | 80.0 | 77.1 | |
| 51 1,1'-Biphenyl | 154 | 7.058 | 7.058 | 0.000 | 96 | 879668 | 80.0 | 77.0 | |
| 52 2-Chloronaphthalene | 162 | 7.082 | 7.081 | 0.001 | 97 | 661212 | 80.0 | 78.1 | |
| 53 Phenyl ether | 170 | 7.164 | 7.164 | 0.000 | 86 | 448160 | 80.0 | 76.5 | |
| 54 2-Nitroaniline | 65 | 7.176 | 7.176 | 0.000 | 98 | 252716 | 80.0 | 79.4 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.299 | 7.299 | 0.000 | 91 | 520896 | 80.0 | 73.3 | |
| 58 Dimethyl phthalate | 163 | 7.364 | 7.358 | 0.006 | 99 | 694797 | 80.0 | 78.5 | |
| 59 Coumarin | 146 | 7.387 | 7.387 | 0.000 | 73 | 231541 | 80.0 | 81.0 | |
| 60 2,6-Dinitrotoluene | 165 | 7.417 | 7.417 | 0.000 | 94 | 165867 | 80.0 | 80.7 | |
| 61 Acenaphthylene | 152 | 7.493 | 7.493 | 0.000 | 97 | 1021976 | 80.0 | 78.2 | |
| 62 3-Nitroaniline | 138 | 7.587 | 7.587 | 0.000 | 95 | 185606 | 80.0 | 82.5 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.634 | 0.000 | 93 | 291380 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.652 | 7.652 | 0.000 | 98 | 551071 | 80.0 | 79.2 | |
| 65 Acenaphthene | 154 | 7.664 | 7.670 | -0.006 | 95 | 734994 | 80.0 | 80.6 | |
| 66 2,4-Dinitrophenol | 184 | 7.687 | 7.687 | 0.000 | 74 | 216786 | 160.0 | 164.1 | |
| 67 4-Nitrophenol | 65 | 7.746 | 7.746 | 0.000 | 92 | 273026 | 160.0 | 171.0 | |
| 68 2,4-Dinitrotoluene | 165 | 7.817 | 7.817 | 0.000 | 96 | 213065 | 80.0 | 84.7 | |
| 69 Dibenzofuran | 168 | 7.834 | 7.834 | 0.000 | 96 | 925168 | 80.0 | 78.7 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.958 | 7.958 | 0.000 | 94 | 172564 | 80.0 | 83.3 | |
| 71 Diethyl phthalate | 149 | 8.058 | 8.058 | 0.000 | 98 | 707610 | 80.0 | 80.7 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.170 | 8.170 | 0.000 | 83 | 317096 | 80.0 | 78.5 | |
| 74 Fluorene | 166 | 8.176 | 8.176 | 0.000 | 96 | 734584 | 80.0 | 78.3 | |
| 75 4-Nitroaniline | 138 | 8.199 | 8.193 | 0.006 | 92 | 181504 | 80.0 | 85.0 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.223 | 8.223 | 0.000 | 82 | 247751 | 160.0 | 163.7 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.293 | 8.287 | 0.006 | 68 | 1005527 | 160.0 | 154.7 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.328 | 8.328 | 0.000 | 99 | 741305 | 80.0 | 78.3 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.411 | 8.411 | 0.000 | 93 | 96577 | 80.0 | 78.8 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.652 | 8.652 | 0.000 | 84 | 183929 | 80.0 | 79.2 | |
| 81 Hexachlorobenzene | 284 | 8.728 | 8.728 | 0.000 | 99 | 189359 | 80.0 | 79.7 | |
| 83 Pentachlorophenol | 266 | 8.917 | 8.917 | 0.000 | 92 | 250991 | 160.0 | 174.0 | |
| 84 Pentachloronitrobenzene | 237 | 8.928 | 8.928 | 0.000 | 86 | 70537 | 80.0 | 73.6 | |
| 72 n-Octadecane | 57 | 8.981 | 8.987 | -0.006 | 92 | 670240 | 80.0 | 79.2 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 427438 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.123 | 9.123 | 0.000 | 98 | 969776 | 80.0 | 78.4 | |
| 87 Anthracene | 178 | 9.175 | 9.175 | 0.000 | 98 | 979666 | 80.0 | 79.1 | |
| 88 Carbazole | 167 | 9.328 | 9.328 | 0.000 | 96 | 859524 | 80.0 | 79.6 | |
| 89 Di-n-butyl phthalate | 149 | 9.664 | 9.664 | 0.000 | 100 | 1094105 | 80.0 | 80.6 | |
| 90 Fluoranthene | 202 | 10.299 | 10.299 | 0.000 | 97 | 906605 | 80.0 | 80.3 | |
| 91 Benzidine | 184 | 10.422 | 10.422 | 0.000 | 99 | 552897 | 80.0 | 83.6 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 92 Pyrene | 202 | 10.534 | 10.534 | 0.000 | 97 | 920703 | 80.0 | 76.2 | |
| 93 Bisphenol-A | 213 | 10.564 | 10.564 | 0.000 | 99 | 381366 | 80.0 | 78.7 | |
| \$ 94 Terphenyl-d14 | 244 | 10.687 | 10.693 | -0.006 | 99 | 632363 | 80.0 | 76.7 | |
| 95 Butyl benzyl phthalate | 149 | 11.234 | 11.234 | 0.000 | 98 | 433948 | 80.0 | 79.9 | |
| 97 Carbamazepine | 193 | 11.369 | 11.369 | 0.000 | 92 | 351864 | 80.0 | 87.6 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.887 | 11.887 | 0.000 | 99 | 303185 | 80.0 | 91.7 | |
| 99 Benzo[a]anthracene | 228 | 11.922 | 11.922 | 0.000 | 99 | 780836 | 80.0 | 77.9 | |
| * 100 Chrysene-d12 | 240 | 11.940 | 11.940 | 0.000 | 98 | 329725 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.952 | 11.952 | 0.000 | 89 | 621262 | 80.0 | 81.8 | |
| 101 Chrysene | 228 | 11.969 | 11.969 | 0.000 | 98 | 715475 | 80.0 | 79.1 | |
| 103 Di-n-octyl phthalate | 149 | 12.840 | 12.840 | 0.000 | 97 | 1023317 | 80.0 | 82.7 | |
| 104 Benzo[b]fluoranthene | 252 | 13.381 | 13.381 | 0.000 | 97 | 746562 | 80.0 | 87.7 | |
| 105 Benzo[k]fluoranthene | 252 | 13.422 | 13.422 | 0.000 | 99 | 705626 | 80.0 | 79.2 | |
| 106 Benzo[a]pyrene | 252 | 13.840 | 13.840 | 0.000 | 95 | 683257 | 80.0 | 85.1 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.922 | -0.006 | 97 | 293156 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.410 | 15.410 | 0.000 | 98 | 649745 | 80.0 | 90.0 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.440 | 15.440 | 0.000 | 95 | 619950 | 80.0 | 89.6 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.804 | 15.793 | 0.011 | 94 | 625177 | 80.0 | 81.2 | |
| S 117 Total Cresols | 1 | | | | 0 | | | 159.2 | |

Reagents:

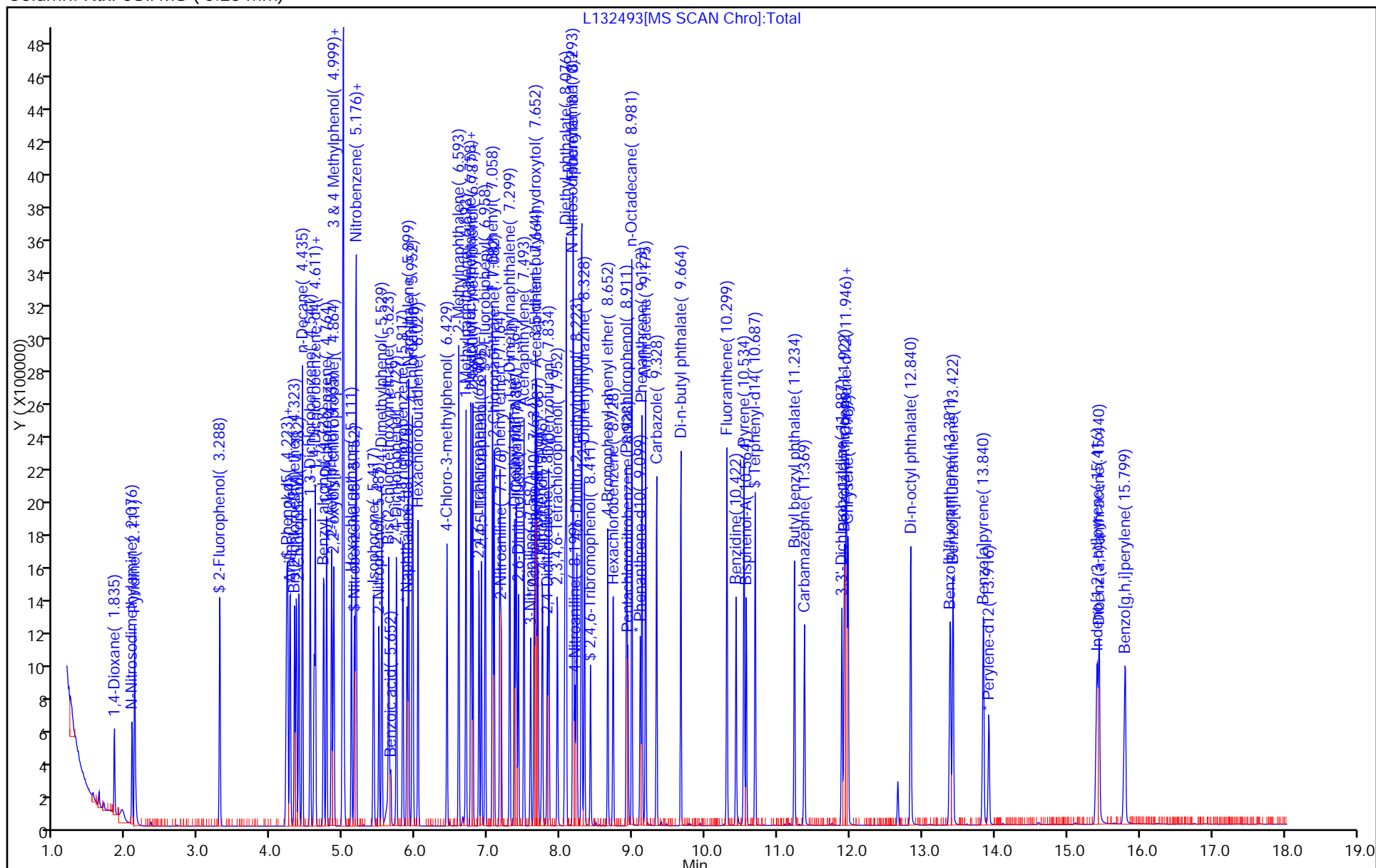
SV_IC_BNA_L7_00010

Amount Added: 1.00

Units: mL

| | | | |
|-----------------|---|----------------|---------------|
| Data File: | \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132493.D | | |
| Injection Date: | 11-Apr-2016 11:37:30 | Instrument ID: | CBNAMS12 |
| Lims ID: | STD80 | | |
| Client ID: | | | |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 |
| Method: | 8270_12R_9 | Limit Group: | SV 8270D ICAL |
| Column: | Rtxi-5Sil MS (0.25 mm) | | |

ALS Bottle#: 4



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132494.D
 Lims ID: STD20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Apr-2016 12:03:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-005
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:34 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:01:01

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.841 | 1.835 | 0.006 | 97 | 46506 | 20.0 | 20.5 | |
| 2 N-Nitrosodimethylamine | 74 | 2.076 | 2.076 | 0.000 | 78 | 65652 | 20.0 | 20.1 | |
| 3 Pyridine | 79 | 2.117 | 2.111 | 0.006 | 79 | 116472 | 20.0 | 20.0 | |
| \$ 4 2-Fluorophenol | 112 | 3.288 | 3.288 | 0.000 | 94 | 110110 | 20.0 | 18.7 | |
| \$ 6 Phenol-d5 | 99 | 4.205 | 4.211 | -0.006 | 89 | 132615 | 20.0 | 18.6 | |
| 7 Phenol | 94 | 4.217 | 4.223 | -0.006 | 98 | 142915 | 20.0 | 20.1 | |
| 8 Aniline | 93 | 4.258 | 4.258 | 0.000 | 99 | 173367 | 20.0 | 20.0 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.317 | 4.323 | -0.006 | 94 | 112679 | 20.0 | 19.8 | |
| 10 2-Chlorophenol | 128 | 4.382 | 4.382 | 0.000 | 94 | 120388 | 20.0 | 20.0 | |
| 11 n-Decane | 43 | 4.429 | 4.429 | 0.000 | 95 | 189502 | 20.0 | 20.5 | |
| 12 1,3-Dichlorobenzene | 146 | 4.540 | 4.540 | 0.000 | 95 | 134952 | 20.0 | 20.3 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.593 | 4.593 | 0.000 | 97 | 173218 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.611 | 4.611 | 0.000 | 94 | 136989 | 20.0 | 20.2 | |
| 15 Benzyl alcohol | 108 | 4.717 | 4.723 | -0.006 | 92 | 75148 | 20.0 | 20.3 | |
| 16 1,2-Dichlorobenzene | 146 | 4.764 | 4.764 | 0.000 | 95 | 129619 | 20.0 | 20.3 | |
| 17 2-Methylphenol | 108 | 4.829 | 4.835 | -0.006 | 89 | 105127 | 20.0 | 20.3 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.864 | 4.864 | 0.000 | 93 | 234040 | 20.0 | 20.2 | |
| 20 3 & 4 Methylphenol | 108 | 4.982 | 4.993 | -0.011 | 82 | 117350 | 20.0 | 20.6 | |
| 19 4-Methylphenol | 108 | 4.982 | 4.993 | -0.011 | 85 | 117350 | 20.0 | 20.6 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.988 | 4.999 | -0.011 | 87 | 80124 | 20.0 | 20.2 | |
| 22 Acetophenone | 105 | 4.993 | 4.999 | -0.006 | 92 | 150421 | 20.0 | 20.5 | |
| 25 Hexachloroethane | 117 | 5.105 | 5.111 | -0.006 | 93 | 54063 | 20.0 | 20.5 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.146 | 5.146 | 0.000 | 91 | 112728 | 20.0 | 18.2 | |
| 27 Nitrobenzene | 77 | 5.164 | 5.170 | -0.006 | 90 | 159286 | 20.0 | 20.1 | |
| 28 n,n'-Dimethylaniline | 120 | 5.170 | 5.176 | -0.006 | 93 | 172606 | 20.0 | 20.5 | |
| 29 Isophorone | 82 | 5.399 | 5.411 | -0.012 | 99 | 201614 | 20.0 | 20.6 | |
| 30 2-Nitrophenol | 139 | 5.487 | 5.487 | 0.000 | 91 | 60406 | 20.0 | 20.1 | |
| 31 2,4-Dimethylphenol | 122 | 5.523 | 5.529 | -0.006 | 91 | 101836 | 20.0 | 20.4 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.617 | 5.623 | -0.006 | 97 | 127433 | 20.0 | 20.1 | |
| 33 Benzoic acid | 122 | 5.593 | 5.635 | -0.042 | 89 | 43884 | 20.0 | 18.6 | |
| 34 2,4-Dichlorophenol | 162 | 5.723 | 5.729 | -0.006 | 95 | 91252 | 20.0 | 20.4 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 1,2,4-Trichlorobenzene | 180 | 5.817 | 5.823 | -0.006 | 94 | 98470 | 20.0 | 20.2 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 644783 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.893 | 5.899 | -0.006 | 99 | 336123 | 20.0 | 20.2 | |
| 38 4-Chloroaniline | 127 | 5.946 | 5.946 | 0.000 | 96 | 135181 | 20.0 | 20.3 | |
| 39 Hexachlorobutadiene | 225 | 6.029 | 6.029 | 0.000 | 94 | 54484 | 20.0 | 19.9 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.423 | 6.429 | -0.006 | 98 | 89292 | 20.0 | 20.4 | |
| 42 2-Methylnaphthalene | 142 | 6.587 | 6.593 | -0.006 | 85 | 224117 | 20.0 | 20.4 | |
| 43 1-Methylnaphthalene | 142 | 6.687 | 6.693 | -0.006 | 94 | 196122 | 20.0 | 20.6 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.758 | 6.758 | 0.000 | 96 | 41529 | 20.0 | 18.1 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.758 | 6.764 | -0.006 | 96 | 87289 | 20.0 | 20.0 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.782 | 6.787 | -0.005 | 91 | 148156 | 20.0 | 20.6 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.870 | 6.876 | -0.006 | 88 | 57965 | 20.0 | 19.9 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.899 | 6.905 | -0.006 | 96 | 61560 | 20.0 | 20.2 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.952 | 6.958 | -0.006 | 98 | 220771 | 20.0 | 19.0 | |
| 51 1,1'-Biphenyl | 154 | 7.052 | 7.058 | -0.006 | 96 | 258045 | 20.0 | 20.2 | |
| 52 2-Chloronaphthalene | 162 | 7.076 | 7.081 | -0.005 | 97 | 191228 | 20.0 | 20.2 | |
| 53 Phenyl ether | 170 | 7.158 | 7.164 | -0.006 | 90 | 131395 | 20.0 | 20.0 | |
| 54 2-Nitroaniline | 65 | 7.170 | 7.176 | -0.006 | 98 | 71738 | 20.0 | 20.1 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.293 | 7.299 | -0.006 | 91 | 162464 | 20.0 | 20.4 | |
| 58 Dimethyl phthalate | 163 | 7.352 | 7.358 | -0.006 | 99 | 203341 | 20.0 | 20.5 | |
| 59 Coumarin | 146 | 7.376 | 7.387 | -0.011 | 74 | 66075 | 20.0 | 20.4 | |
| 60 2,6-Dinitrotoluene | 165 | 7.411 | 7.417 | -0.006 | 94 | 47394 | 20.0 | 20.6 | |
| 61 Acenaphthylene | 152 | 7.487 | 7.493 | -0.006 | 97 | 298490 | 20.0 | 20.4 | |
| 62 3-Nitroaniline | 138 | 7.576 | 7.587 | -0.011 | 95 | 51075 | 20.0 | 20.3 | |
| * 63 Acenaphthene-d10 | 164 | 7.629 | 7.634 | -0.006 | 93 | 326068 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.646 | 7.652 | -0.006 | 98 | 157417 | 20.0 | 20.2 | |
| 65 Acenaphthene | 154 | 7.664 | 7.670 | -0.006 | 95 | 210478 | 20.0 | 20.6 | |
| 66 2,4-Dinitrophenol | 184 | 7.676 | 7.687 | -0.011 | 94 | 50166 | 40.0 | 38.7 | |
| 67 4-Nitrophenol | 65 | 7.734 | 7.746 | -0.012 | 92 | 71075 | 40.0 | 39.8 | |
| 68 2,4-Dinitrotoluene | 165 | 7.805 | 7.817 | -0.012 | 94 | 59612 | 20.0 | 21.2 | |
| 69 Dibenzofuran | 168 | 7.834 | 7.834 | 0.000 | 96 | 265477 | 20.0 | 20.2 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.952 | 7.958 | -0.006 | 92 | 47628 | 20.0 | 20.5 | |
| 71 Diethyl phthalate | 149 | 8.052 | 8.058 | -0.006 | 98 | 206180 | 20.0 | 21.0 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.164 | 8.170 | -0.006 | 83 | 93933 | 20.0 | 20.8 | |
| 74 Fluorene | 166 | 8.170 | 8.176 | -0.006 | 96 | 216043 | 20.0 | 20.6 | |
| 75 4-Nitroaniline | 138 | 8.181 | 8.193 | -0.012 | 92 | 48147 | 20.0 | 20.2 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.211 | 8.223 | -0.012 | 81 | 63780 | 40.0 | 39.1 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.281 | 8.287 | -0.006 | 67 | 295607 | 40.0 | 40.7 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.323 | 8.328 | -0.005 | 99 | 214117 | 20.0 | 20.2 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.405 | 8.411 | -0.006 | 92 | 24770 | 20.0 | 18.4 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.652 | 8.652 | 0.000 | 88 | 52672 | 20.0 | 20.3 | |
| 81 Hexachlorobenzene | 284 | 8.723 | 8.728 | -0.005 | 99 | 53261 | 20.0 | 20.1 | |
| 83 Pentachlorophenol | 266 | 8.911 | 8.917 | -0.006 | 92 | 66691 | 40.0 | 41.4 | |
| 84 Pentachloronitrobenzene | 237 | 8.928 | 8.928 | 0.000 | 86 | 21632 | 20.0 | 20.2 | |
| 72 n-Octadecane | 57 | 8.981 | 8.987 | -0.006 | 92 | 192031 | 20.0 | 20.3 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 477403 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.123 | 9.123 | 0.000 | 98 | 280430 | 20.0 | 20.3 | |
| 87 Anthracene | 178 | 9.170 | 9.175 | -0.005 | 98 | 280671 | 20.0 | 20.3 | |
| 88 Carbazole | 167 | 9.323 | 9.328 | -0.005 | 96 | 242202 | 20.0 | 20.1 | |
| 89 Di-n-butyl phthalate | 149 | 9.658 | 9.664 | -0.006 | 100 | 310875 | 20.0 | 20.5 | |
| 90 Fluoranthene | 202 | 10.293 | 10.299 | -0.006 | 97 | 256684 | 20.0 | 20.4 | |
| 91 Benzidine | 184 | 10.417 | 10.422 | -0.005 | 99 | 115936 | 20.0 | 20.3 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 92 Pyrene | 202 | 10.528 | 10.534 | -0.006 | 97 | 261297 | 20.0 | 20.4 | |
| 93 Bisphenol-A | 213 | 10.558 | 10.564 | -0.006 | 99 | 96530 | 20.0 | 18.8 | |
| \$ 94 Terphenyl-d14 | 244 | 10.687 | 10.693 | -0.006 | 99 | 167204 | 20.0 | 19.1 | |
| 95 Butyl benzyl phthalate | 149 | 11.228 | 11.234 | -0.006 | 97 | 118865 | 20.0 | 20.7 | |
| 97 Carbamazepine | 193 | 11.358 | 11.369 | -0.011 | 92 | 81907 | 20.0 | 19.2 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.881 | 11.887 | -0.006 | 99 | 69638 | 20.0 | 19.9 | |
| 99 Benzo[a]anthracene | 228 | 11.916 | 11.922 | -0.006 | 99 | 207175 | 20.0 | 19.5 | |
| * 100 Chrysene-d12 | 240 | 11.928 | 11.940 | -0.012 | 98 | 349550 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.946 | 11.952 | -0.006 | 88 | 164380 | 20.0 | 20.4 | |
| 101 Chrysene | 228 | 11.964 | 11.969 | -0.005 | 98 | 192382 | 20.0 | 20.1 | |
| 103 Di-n-octyl phthalate | 149 | 12.834 | 12.840 | -0.006 | 97 | 256851 | 20.0 | 21.4 | |
| 104 Benzo[b]fluoranthene | 252 | 13.369 | 13.381 | -0.012 | 98 | 170206 | 20.0 | 20.6 | |
| 105 Benzo[k]fluoranthene | 252 | 13.410 | 13.422 | -0.012 | 99 | 183410 | 20.0 | 21.2 | |
| 106 Benzo[a]pyrene | 252 | 13.828 | 13.840 | -0.012 | 96 | 164151 | 20.0 | 21.1 | |
| * 107 Perylene-d12 | 264 | 13.910 | 13.922 | -0.012 | 96 | 284338 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.393 | 15.410 | -0.017 | 97 | 141023 | 20.0 | 20.1 | M |
| 109 Dibenz(a,h)anthracene | 278 | 15.422 | 15.440 | -0.018 | 93 | 141576 | 20.0 | 21.1 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.775 | 15.793 | -0.018 | 94 | 145884 | 20.0 | 19.5 | |
| S 117 Total Cresols | 1 | | | | 0 | | | 40.9 | |

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L5_00010

Amount Added: 1.00

Units: mL

Operator ID:

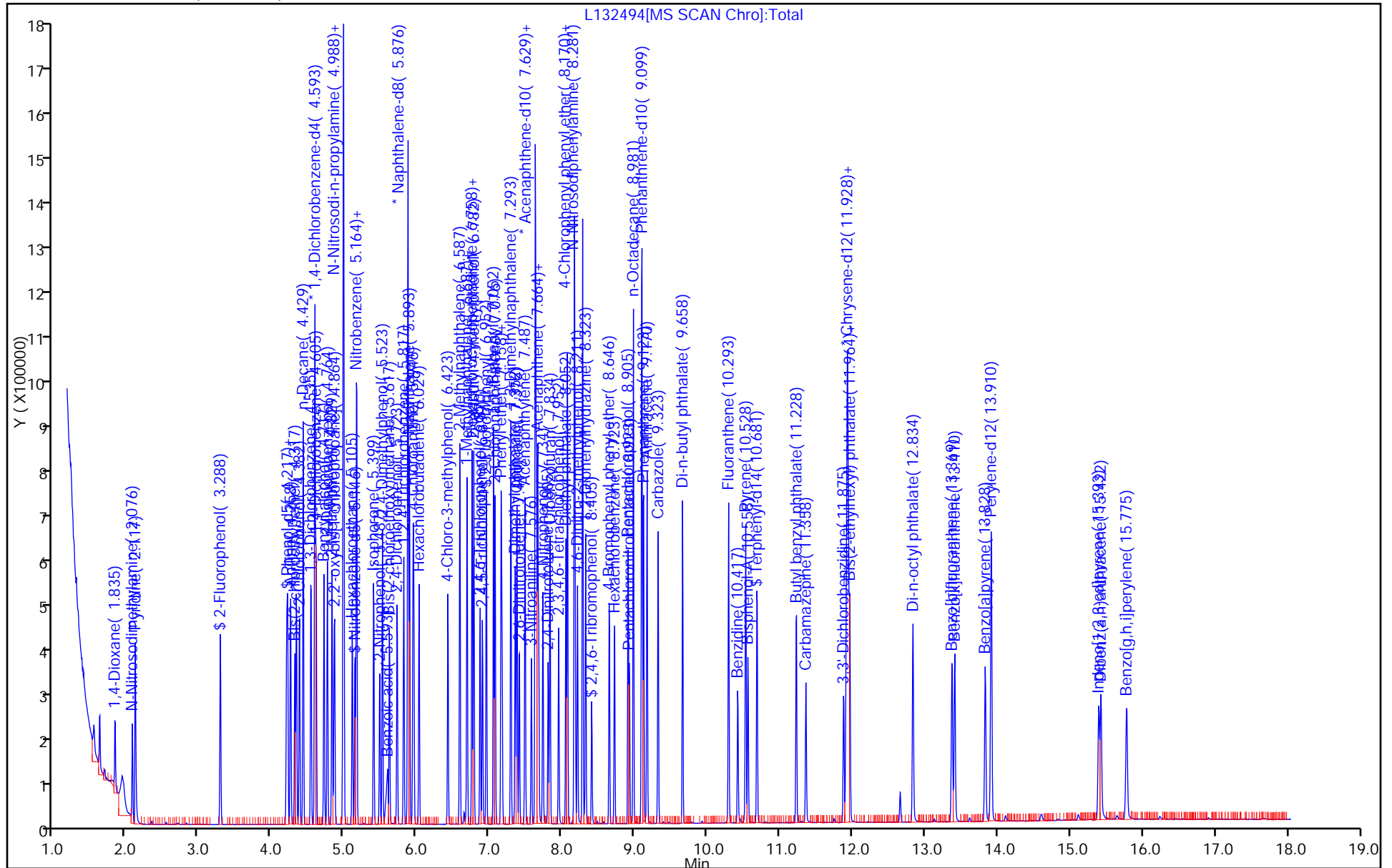
Worklist Smp#: 5

Client ID:

ALS Bottle#: 5

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132494.D

Injection Date: 11-Apr-2016 12:03:30

Instrument ID: CBNAMS12

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#:

5

Worklist Smp#: 5

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

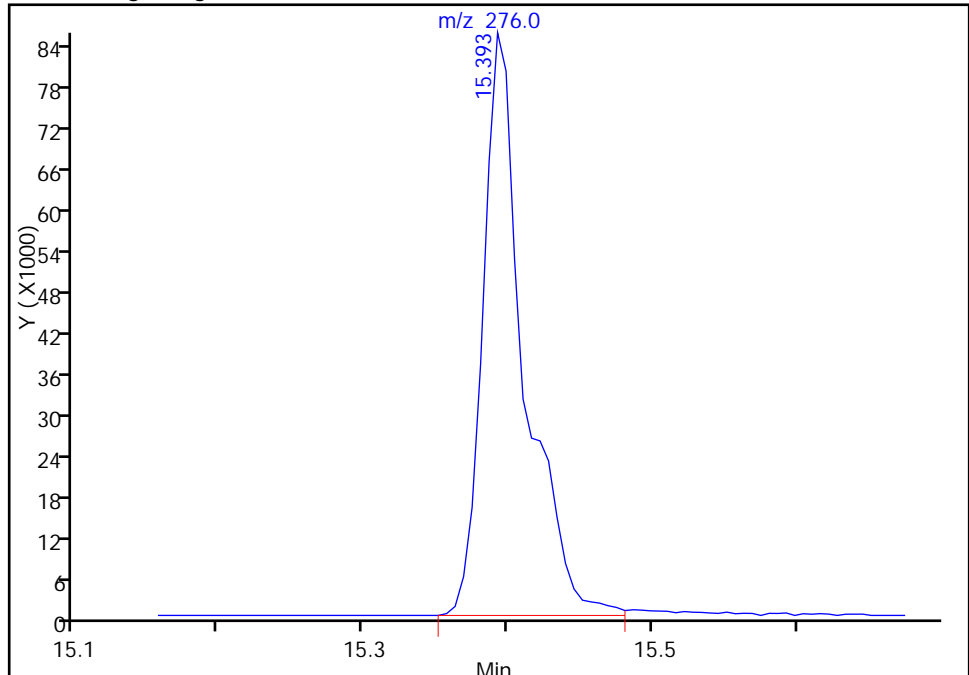
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

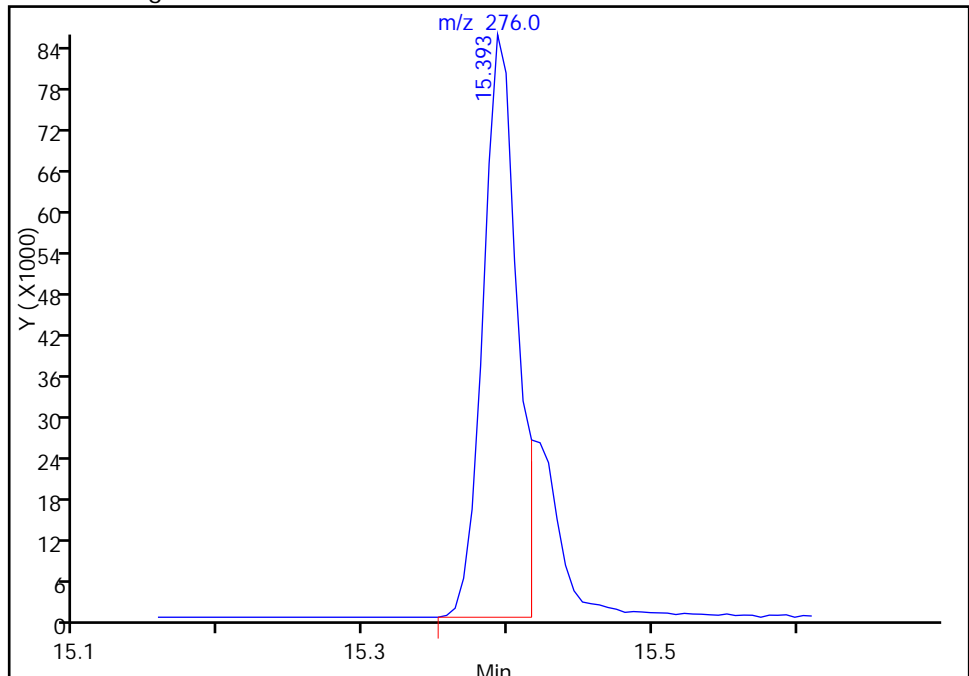
Processing Integration Results

RT: 15.39
Area: 170342
Amount: 22.100416
Amount Units: ug/ml



Manual Integration Results

RT: 15.39
Area: 141023
Amount: 20.133628
Amount Units: ug/ml



Reviewer: croccom, 11-Apr-2016 15:01:01

Audit Action: Manually Integrated

Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132495.D
 Lims ID: STD10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Apr-2016 12:29:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-006
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:39 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:02:48

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.835 | 1.835 | 0.000 | 95 | 23185 | 10.0 | 9.94 | |
| 2 N-Nitrosodimethylamine | 74 | 2.076 | 2.076 | 0.000 | 79 | 33503 | 10.0 | 9.96 | |
| 3 Pyridine | 79 | 2.117 | 2.111 | 0.006 | 80 | 60084 | 10.0 | 10.0 | |
| \$ 4 2-Fluorophenol | 112 | 3.288 | 3.288 | 0.000 | 94 | 58825 | 10.0 | 9.71 | |
| \$ 6 Phenol-d5 | 99 | 4.199 | 4.211 | -0.012 | 84 | 73399 | 10.0 | 9.98 | |
| 7 Phenol | 94 | 4.217 | 4.223 | -0.006 | 99 | 75423 | 10.0 | 10.3 | |
| 8 Aniline | 93 | 4.258 | 4.258 | 0.000 | 99 | 90047 | 10.0 | 10.1 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.317 | 4.323 | -0.006 | 94 | 59270 | 10.0 | 10.1 | |
| 10 2-Chlorophenol | 128 | 4.382 | 4.382 | 0.000 | 95 | 63321 | 10.0 | 10.2 | |
| 11 n-Decane | 43 | 4.429 | 4.429 | 0.000 | 95 | 98389 | 10.0 | 10.3 | |
| 12 1,3-Dichlorobenzene | 146 | 4.541 | 4.540 | 0.001 | 95 | 70439 | 10.0 | 10.3 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.594 | 4.593 | 0.001 | 97 | 178183 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.611 | 4.611 | 0.000 | 96 | 71334 | 10.0 | 10.2 | |
| 15 Benzyl alcohol | 108 | 4.717 | 4.723 | -0.006 | 92 | 37811 | 10.0 | 9.93 | |
| 16 1,2-Dichlorobenzene | 146 | 4.764 | 4.764 | 0.000 | 95 | 68070 | 10.0 | 10.3 | |
| 17 2-Methylphenol | 108 | 4.829 | 4.835 | -0.006 | 89 | 55167 | 10.0 | 10.3 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.864 | 4.864 | 0.000 | 93 | 123352 | 10.0 | 10.3 | |
| 20 3 & 4 Methylphenol | 108 | 4.982 | 4.993 | -0.011 | 87 | 62057 | 10.0 | 10.6 | |
| 19 4-Methylphenol | 108 | 4.982 | 4.993 | -0.011 | 83 | 62057 | 10.0 | 10.6 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.988 | 4.999 | -0.011 | 89 | 42344 | 10.0 | 10.4 | |
| 22 Acetophenone | 105 | 4.988 | 4.999 | -0.011 | 89 | 78949 | 10.0 | 10.5 | |
| 25 Hexachloroethane | 117 | 5.105 | 5.111 | -0.006 | 94 | 27713 | 10.0 | 10.2 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.141 | 5.146 | -0.005 | 91 | 63420 | 10.0 | 9.90 | |
| 27 Nitrobenzene | 77 | 5.164 | 5.170 | -0.006 | 89 | 83146 | 10.0 | 10.1 | |
| 28 n,n'-Dimethylaniline | 120 | 5.170 | 5.176 | -0.006 | 93 | 88345 | 10.0 | 10.2 | |
| 29 Isophorone | 82 | 5.399 | 5.411 | -0.012 | 98 | 103331 | 10.0 | 10.2 | |
| 30 2-Nitrophenol | 139 | 5.488 | 5.487 | 0.001 | 89 | 31110 | 10.0 | 9.97 | |
| 31 2,4-Dimethylphenol | 122 | 5.523 | 5.529 | -0.006 | 91 | 52433 | 10.0 | 10.1 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.617 | 5.623 | -0.006 | 97 | 66761 | 10.0 | 10.1 | |
| 33 Benzoic acid | 122 | 5.576 | 5.635 | -0.059 | 89 | 17969 | 10.0 | 9.22 | |
| 34 2,4-Dichlorophenol | 162 | 5.723 | 5.729 | -0.006 | 95 | 46618 | 10.0 | 10.1 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 1,2,4-Trichlorobenzene | 180 | 5.817 | 5.823 | -0.006 | 94 | 51051 | 10.0 | 10.1 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 668915 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.893 | 5.899 | -0.006 | 100 | 176758 | 10.0 | 10.3 | |
| 38 4-Chloroaniline | 127 | 5.941 | 5.946 | -0.006 | 97 | 70757 | 10.0 | 10.3 | |
| 39 Hexachlorobutadiene | 225 | 6.029 | 6.029 | 0.000 | 93 | 28031 | 10.0 | 9.86 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.423 | 6.429 | -0.006 | 98 | 45590 | 10.0 | 10.0 | |
| 42 2-Methylnaphthalene | 142 | 6.588 | 6.593 | -0.005 | 86 | 118332 | 10.0 | 10.4 | |
| 43 1-Methylnaphthalene | 142 | 6.688 | 6.693 | -0.005 | 94 | 101420 | 10.0 | 10.3 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.758 | 6.758 | 0.000 | 96 | 20337 | 10.0 | 8.64 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.758 | 6.764 | -0.006 | 96 | 45779 | 10.0 | 10.2 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.782 | 6.787 | -0.005 | 91 | 74423 | 10.0 | 10.0 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.870 | 6.876 | -0.006 | 88 | 29934 | 10.0 | 10.2 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.899 | 6.905 | -0.006 | 96 | 30983 | 10.0 | 9.90 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.952 | 6.958 | -0.006 | 98 | 120431 | 10.0 | 10.1 | |
| 51 1,1'-Biphenyl | 154 | 7.052 | 7.058 | -0.006 | 95 | 136117 | 10.0 | 10.4 | |
| 52 2-Chloronaphthalene | 162 | 7.076 | 7.081 | -0.005 | 97 | 100164 | 10.0 | 10.3 | |
| 53 Phenyl ether | 170 | 7.158 | 7.164 | -0.006 | 90 | 67254 | 10.0 | 9.98 | |
| 54 2-Nitroaniline | 65 | 7.170 | 7.176 | -0.006 | 99 | 37009 | 10.0 | 10.1 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.293 | 7.299 | -0.006 | 92 | 82865 | 10.0 | 10.1 | |
| 58 Dimethyl phthalate | 163 | 7.352 | 7.358 | -0.006 | 100 | 106900 | 10.0 | 10.5 | |
| 59 Coumarin | 146 | 7.376 | 7.387 | -0.011 | 76 | 34480 | 10.0 | 10.3 | |
| 60 2,6-Dinitrotoluene | 165 | 7.405 | 7.417 | -0.012 | 94 | 24442 | 10.0 | 10.4 | |
| 61 Acenaphthylene | 152 | 7.487 | 7.493 | -0.006 | 98 | 154541 | 10.0 | 10.3 | |
| 62 3-Nitroaniline | 138 | 7.576 | 7.587 | -0.011 | 95 | 26104 | 10.0 | 10.1 | |
| * 63 Acenaphthene-d10 | 164 | 7.629 | 7.634 | -0.005 | 93 | 334933 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.646 | 7.652 | -0.006 | 98 | 76767 | 10.0 | 9.60 | |
| 65 Acenaphthene | 154 | 7.664 | 7.670 | -0.006 | 94 | 107970 | 10.0 | 10.3 | |
| 66 2,4-Dinitrophenol | 184 | 7.676 | 7.687 | -0.011 | 93 | 24343 | 20.0 | 20.4 | |
| 67 4-Nitrophenol | 65 | 7.729 | 7.746 | -0.017 | 93 | 36733 | 20.0 | 20.0 | |
| 68 2,4-Dinitrotoluene | 165 | 7.805 | 7.817 | -0.012 | 94 | 30572 | 10.0 | 10.6 | |
| 69 Dibenzofuran | 168 | 7.829 | 7.834 | -0.005 | 96 | 140527 | 10.0 | 10.4 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.952 | 7.958 | -0.006 | 91 | 23943 | 10.0 | 10.1 | |
| 71 Diethyl phthalate | 149 | 8.046 | 8.058 | -0.012 | 98 | 103785 | 10.0 | 10.3 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.164 | 8.170 | -0.006 | 86 | 48140 | 10.0 | 10.4 | |
| 74 Fluorene | 166 | 8.170 | 8.176 | -0.006 | 97 | 113800 | 10.0 | 10.6 | |
| 75 4-Nitroaniline | 138 | 8.176 | 8.193 | -0.017 | 93 | 24700 | 10.0 | 10.1 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.211 | 8.223 | -0.012 | 85 | 31148 | 20.0 | 19.1 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.282 | 8.287 | -0.005 | 67 | 157012 | 20.0 | 20.6 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.323 | 8.328 | -0.005 | 99 | 110253 | 10.0 | 9.92 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.405 | 8.411 | -0.006 | 92 | 13343 | 10.0 | 9.89 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.646 | 8.652 | -0.006 | 83 | 26602 | 10.0 | 9.76 | |
| 81 Hexachlorobenzene | 284 | 8.723 | 8.728 | -0.005 | 99 | 27738 | 10.0 | 9.95 | |
| 83 Pentachlorophenol | 266 | 8.911 | 8.917 | -0.006 | 92 | 34755 | 20.0 | 20.5 | |
| 84 Pentachloronitrobenzene | 237 | 8.923 | 8.928 | -0.005 | 86 | 11401 | 10.0 | 10.1 | |
| 72 n-Octadecane | 57 | 8.981 | 8.987 | -0.006 | 93 | 96040 | 10.0 | 9.67 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 501726 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.117 | 9.123 | -0.006 | 98 | 146548 | 10.0 | 10.1 | |
| 87 Anthracene | 178 | 9.170 | 9.175 | -0.005 | 98 | 146284 | 10.0 | 10.1 | |
| 88 Carbazole | 167 | 9.323 | 9.328 | -0.005 | 96 | 129780 | 10.0 | 10.2 | |
| 89 Di-n-butyl phthalate | 149 | 9.658 | 9.664 | -0.006 | 100 | 160344 | 10.0 | 10.1 | |
| 90 Fluoranthene | 202 | 10.293 | 10.299 | -0.006 | 98 | 132541 | 10.0 | 10.0 | |
| 91 Benzidine | 184 | 10.417 | 10.422 | -0.005 | 99 | 57075 | 10.0 | 10.0 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 92 Pyrene | 202 | 10.528 | 10.534 | -0.006 | 97 | 133778 | 10.0 | 10.4 | |
| 93 Bisphenol-A | 213 | 10.558 | 10.564 | -0.006 | 99 | 52270 | 10.0 | 10.1 | |
| \$ 94 Terphenyl-d14 | 244 | 10.687 | 10.693 | -0.006 | 99 | 90046 | 10.0 | 10.2 | |
| 95 Butyl benzyl phthalate | 149 | 11.228 | 11.234 | -0.006 | 97 | 58268 | 10.0 | 10.1 | |
| 97 Carbamazepine | 193 | 11.358 | 11.369 | -0.011 | 92 | 36972 | 10.0 | 8.63 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.881 | 11.887 | -0.006 | 99 | 32536 | 10.0 | 9.23 | |
| 99 Benzo[a]anthracene | 228 | 11.917 | 11.922 | -0.005 | 99 | 105231 | 10.0 | 9.84 | |
| * 100 Chrysene-d12 | 240 | 11.928 | 11.940 | -0.012 | 98 | 351576 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.946 | 11.952 | -0.006 | 89 | 79772 | 10.0 | 9.85 | |
| 101 Chrysene | 228 | 11.964 | 11.969 | -0.005 | 99 | 98142 | 10.0 | 10.2 | |
| 103 Di-n-octyl phthalate | 149 | 12.834 | 12.840 | -0.006 | 97 | 120445 | 10.0 | 9.74 | |
| 104 Benzo[b]fluoranthene | 252 | 13.369 | 13.381 | -0.012 | 98 | 87679 | 10.0 | 10.3 | |
| 105 Benzo[k]fluoranthene | 252 | 13.411 | 13.422 | -0.011 | 99 | 88809 | 10.0 | 9.99 | |
| 106 Benzo[a]pyrene | 252 | 13.828 | 13.840 | -0.012 | 96 | 81202 | 10.0 | 10.1 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.922 | -0.006 | 96 | 292781 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.393 | 15.410 | -0.017 | 97 | 71944 | 10.0 | 9.98 | M |
| 109 Dibenz(a,h)anthracene | 278 | 15.422 | 15.440 | -0.018 | 93 | 71142 | 10.0 | 10.3 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.775 | 15.793 | -0.018 | 94 | 73182 | 10.0 | 9.52 | |
| S 117 Total Cresols | 1 | | | | 0 | | | 20.9 | |

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L4_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132495.D

Injection Date: 11-Apr-2016 12:29:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD10

Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul

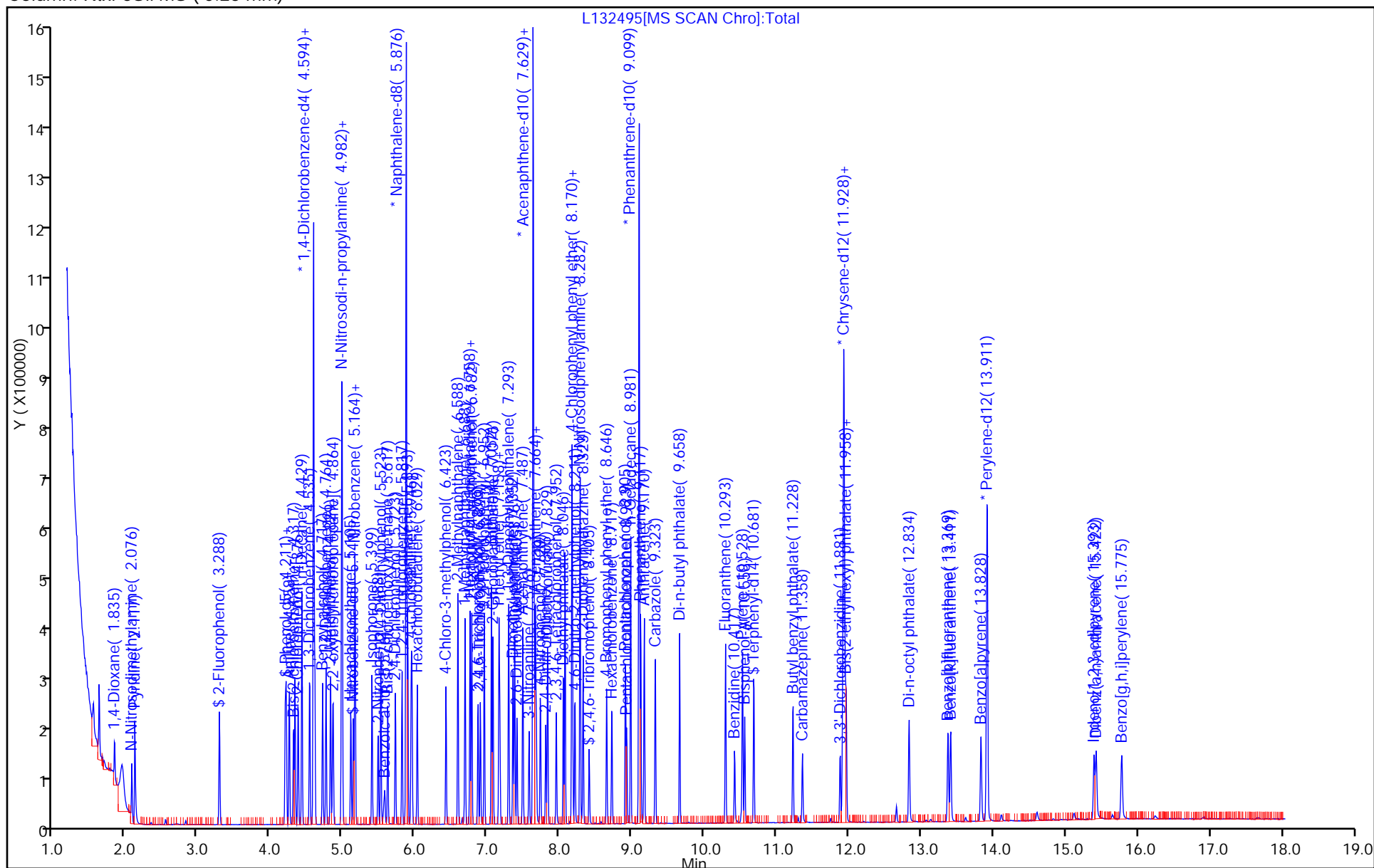
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

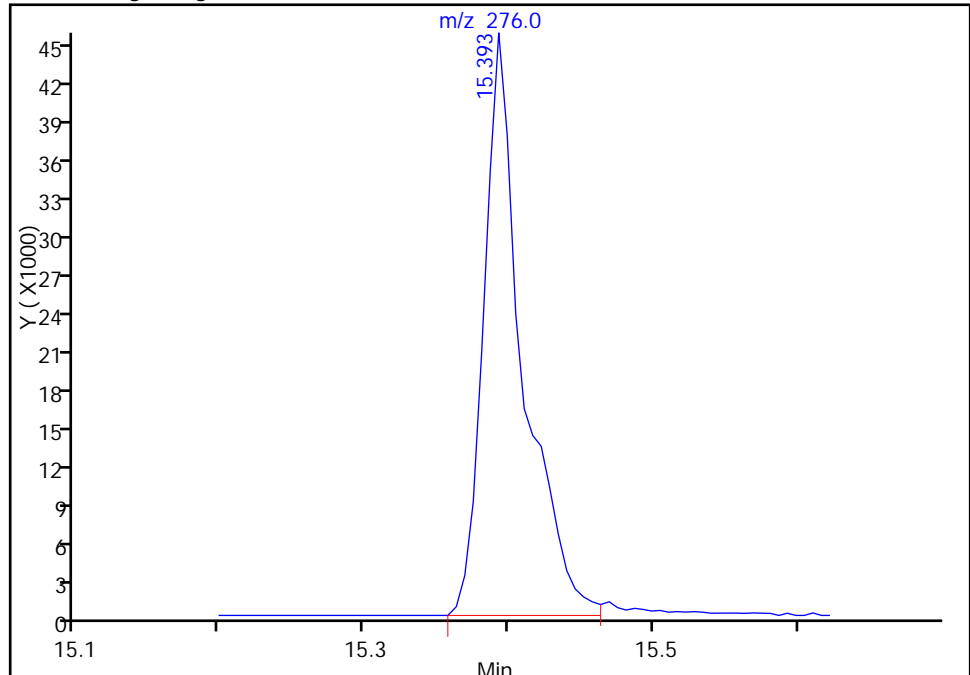
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132495.D
Injection Date: 11-Apr-2016 12:29:30 Instrument ID: CBNAMS12
Lims ID: STD10
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 6 Worklist Smp#: 6
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

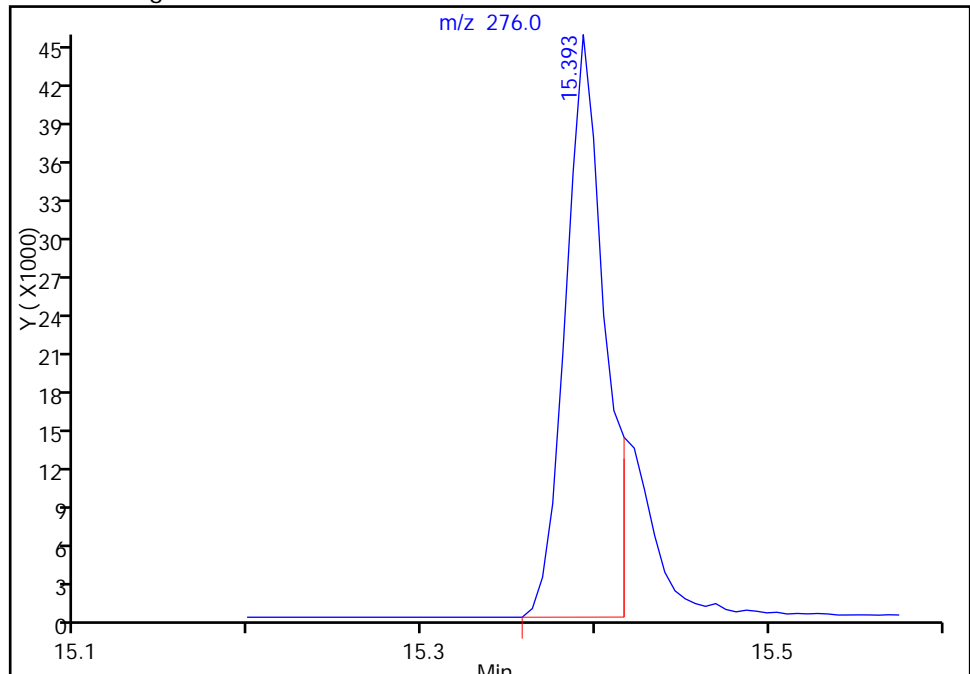
RT: 15.39
Area: 85499
Amount: 11.005453
Amount Units: ug/ml

Processing Integration Results



RT: 15.39
Area: 71944
Amount: 9.975133
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:02:48
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132496.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Apr-2016 12:54:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-007
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:44 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:04:25

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.841 | 1.835 | 0.006 | 98 | 11911 | 5.00 | 4.99 | |
| 2 N-Nitrosodimethylamine | 74 | 2.082 | 2.076 | 0.006 | 77 | 16009 | 5.00 | 4.65 | |
| 3 Pyridine | 79 | 2.123 | 2.111 | 0.012 | 80 | 28995 | 5.00 | 4.73 | |
| \$ 4 2-Fluorophenol | 112 | 3.288 | 3.288 | 0.000 | 93 | 30420 | 5.00 | 4.91 | |
| \$ 6 Phenol-d5 | 99 | 4.199 | 4.211 | -0.012 | 84 | 37607 | 5.00 | 5.00 | |
| 7 Phenol | 94 | 4.211 | 4.223 | -0.012 | 98 | 35542 | 5.00 | 4.75 | |
| 8 Aniline | 93 | 4.258 | 4.258 | 0.000 | 99 | 42665 | 5.00 | 4.68 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.317 | 4.323 | -0.006 | 92 | 28068 | 5.00 | 4.69 | |
| 10 2-Chlorophenol | 128 | 4.376 | 4.382 | -0.006 | 94 | 30272 | 5.00 | 4.79 | |
| 11 n-Decane | 43 | 4.429 | 4.429 | 0.000 | 95 | 48146 | 5.00 | 4.94 | |
| 12 1,3-Dichlorobenzene | 146 | 4.540 | 4.540 | 0.000 | 95 | 33703 | 5.00 | 4.81 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.593 | 4.593 | 0.000 | 97 | 182190 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.611 | 4.611 | 0.000 | 94 | 34598 | 5.00 | 4.85 | |
| 15 Benzyl alcohol | 108 | 4.717 | 4.723 | -0.006 | 92 | 18216 | 5.00 | 4.68 | |
| 16 1,2-Dichlorobenzene | 146 | 4.764 | 4.764 | 0.000 | 95 | 32415 | 5.00 | 4.82 | |
| 17 2-Methylphenol | 108 | 4.829 | 4.835 | -0.006 | 88 | 25705 | 5.00 | 4.71 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.864 | 4.864 | 0.000 | 93 | 58839 | 5.00 | 4.82 | |
| 20 3 & 4 Methylphenol | 108 | 4.982 | 4.993 | -0.011 | 85 | 29268 | 5.00 | 4.88 | |
| 19 4-Methylphenol | 108 | 4.982 | 4.993 | -0.011 | 83 | 29268 | 5.00 | 4.88 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.987 | 4.999 | -0.012 | 83 | 19697 | 5.00 | 4.71 | |
| 22 Acetophenone | 105 | 4.987 | 4.999 | -0.012 | 91 | 37735 | 5.00 | 4.90 | |
| 25 Hexachloroethane | 117 | 5.105 | 5.111 | -0.006 | 93 | 13206 | 5.00 | 4.75 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.140 | 5.146 | -0.006 | 91 | 32026 | 5.00 | 5.05 | |
| 27 Nitrobenzene | 77 | 5.164 | 5.170 | -0.006 | 91 | 40467 | 5.00 | 4.98 | |
| 28 n,n'-Dimethylaniline | 120 | 5.170 | 5.176 | -0.006 | 93 | 43512 | 5.00 | 4.92 | |
| 29 Isophorone | 82 | 5.399 | 5.411 | -0.012 | 99 | 48596 | 5.00 | 4.84 | |
| 30 2-Nitrophenol | 139 | 5.487 | 5.487 | 0.000 | 88 | 13529 | 5.00 | 4.39 | |
| 31 2,4-Dimethylphenol | 122 | 5.523 | 5.529 | -0.006 | 91 | 24571 | 5.00 | 4.79 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.617 | 5.623 | -0.006 | 97 | 31484 | 5.00 | 4.83 | |
| 33 Benzoic acid | 122 | 5.564 | 5.635 | -0.071 | 90 | 6302 | 5.00 | 5.27 | |
| 34 2,4-Dichlorophenol | 162 | 5.723 | 5.729 | -0.006 | 95 | 21925 | 5.00 | 4.78 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 1,2,4-Trichlorobenzene | 180 | 5.817 | 5.823 | -0.006 | 94 | 24476 | 5.00 | 4.90 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 661280 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.893 | 5.899 | -0.006 | 99 | 83948 | 5.00 | 4.93 | |
| 38 4-Chloroaniline | 127 | 5.940 | 5.946 | -0.006 | 97 | 32436 | 5.00 | 4.76 | |
| 39 Hexachlorobutadiene | 225 | 6.029 | 6.029 | 0.000 | 93 | 13523 | 5.00 | 4.81 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.423 | 6.429 | -0.006 | 97 | 20709 | 5.00 | 4.61 | |
| 42 2-Methylnaphthalene | 142 | 6.587 | 6.593 | -0.006 | 86 | 55302 | 5.00 | 4.90 | |
| 43 1-Methylnaphthalene | 142 | 6.687 | 6.693 | -0.006 | 94 | 47303 | 5.00 | 4.84 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.758 | 6.758 | 0.000 | 95 | 8766 | 5.00 | 3.78 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.758 | 6.764 | -0.006 | 96 | 21418 | 5.00 | 4.86 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.781 | 6.787 | -0.006 | 91 | 35400 | 5.00 | 4.81 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.870 | 6.876 | -0.006 | 87 | 13087 | 5.00 | 4.73 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.899 | 6.905 | -0.006 | 95 | 14568 | 5.00 | 4.72 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.952 | 6.958 | -0.006 | 98 | 59052 | 5.00 | 5.01 | |
| 51 1,1'-Biphenyl | 154 | 7.052 | 7.058 | -0.006 | 95 | 62984 | 5.00 | 4.87 | |
| 52 2-Chloronaphthalene | 162 | 7.076 | 7.081 | -0.005 | 97 | 45688 | 5.00 | 4.76 | |
| 53 Phenyl ether | 170 | 7.158 | 7.164 | -0.006 | 90 | 32401 | 5.00 | 4.88 | |
| 54 2-Nitroaniline | 65 | 7.170 | 7.176 | -0.006 | 97 | 17368 | 5.00 | 4.82 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.293 | 7.299 | -0.006 | 92 | 41195 | 5.00 | 5.12 | |
| 58 Dimethyl phthalate | 163 | 7.352 | 7.358 | -0.006 | 99 | 49237 | 5.00 | 4.91 | |
| 59 Coumarin | 146 | 7.376 | 7.387 | -0.011 | 76 | 16334 | 5.00 | 4.92 | |
| 60 2,6-Dinitrotoluene | 165 | 7.405 | 7.417 | -0.012 | 94 | 11494 | 5.00 | 4.94 | |
| 61 Acenaphthylene | 152 | 7.487 | 7.493 | -0.006 | 97 | 71539 | 5.00 | 4.83 | |
| 62 3-Nitroaniline | 138 | 7.576 | 7.587 | -0.011 | 95 | 12008 | 5.00 | 4.71 | |
| * 63 Acenaphthene-d10 | 164 | 7.628 | 7.634 | -0.006 | 93 | 330098 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.646 | 7.652 | -0.006 | 98 | 36163 | 5.00 | 4.59 | |
| 65 Acenaphthene | 154 | 7.658 | 7.670 | -0.012 | 94 | 49721 | 5.00 | 4.81 | |
| 66 2,4-Dinitrophenol | 184 | 7.676 | 7.687 | -0.011 | 66 | 8786 | 10.0 | 9.82 | |
| 67 4-Nitrophenol | 65 | 7.728 | 7.746 | -0.018 | 91 | 16018 | 10.0 | 8.85 | |
| 68 2,4-Dinitrotoluene | 165 | 7.805 | 7.817 | -0.012 | 92 | 13457 | 5.00 | 4.72 | |
| 69 Dibenzofuran | 168 | 7.828 | 7.834 | -0.006 | 96 | 65393 | 5.00 | 4.91 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.952 | 7.958 | -0.006 | 92 | 10476 | 5.00 | 4.46 | |
| 71 Diethyl phthalate | 149 | 8.046 | 8.058 | -0.012 | 98 | 48669 | 5.00 | 4.90 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.164 | 8.170 | -0.006 | 86 | 22405 | 5.00 | 4.90 | |
| 74 Fluorene | 166 | 8.170 | 8.176 | -0.006 | 96 | 53119 | 5.00 | 5.00 | |
| 75 4-Nitroaniline | 138 | 8.175 | 8.193 | -0.018 | 94 | 11131 | 5.00 | 4.60 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.205 | 8.223 | -0.018 | 80 | 13379 | 10.0 | 9.39 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.275 | 8.287 | -0.012 | 68 | 72795 | 10.0 | 9.73 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.323 | 8.328 | -0.005 | 99 | 51321 | 5.00 | 4.71 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.405 | 8.411 | -0.006 | 92 | 6250 | 5.00 | 4.94 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.646 | 8.652 | -0.006 | 83 | 12428 | 5.00 | 4.65 | |
| 81 Hexachlorobenzene | 284 | 8.723 | 8.728 | -0.006 | 99 | 13165 | 5.00 | 4.82 | |
| 83 Pentachlorophenol | 266 | 8.905 | 8.917 | -0.012 | 90 | 14399 | 10.0 | 8.68 | |
| 84 Pentachloronitrobenzene | 237 | 8.922 | 8.928 | -0.006 | 84 | 5462 | 5.00 | 4.96 | |
| 72 n-Octadecane | 57 | 8.981 | 8.987 | -0.006 | 93 | 44771 | 5.00 | 4.60 | |
| * 85 Phenanthrene-d10 | 188 | 9.093 | 9.099 | -0.006 | 99 | 491656 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.117 | 9.123 | -0.006 | 98 | 69692 | 5.00 | 4.90 | |
| 87 Anthracene | 178 | 9.170 | 9.175 | -0.005 | 98 | 67466 | 5.00 | 4.74 | |
| 88 Carbazole | 167 | 9.322 | 9.328 | -0.006 | 96 | 60547 | 5.00 | 4.87 | |
| 89 Di-n-butyl phthalate | 149 | 9.658 | 9.664 | -0.006 | 100 | 75632 | 5.00 | 4.84 | |
| 90 Fluoranthene | 202 | 10.293 | 10.299 | -0.006 | 97 | 62602 | 5.00 | 4.82 | |
| 91 Benzidine | 184 | 10.417 | 10.422 | -0.005 | 99 | 27857 | 5.00 | 5.11 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 92 Pyrene | 202 | 10.528 | 10.534 | -0.006 | 97 | 64583 | 5.00 | 5.00 | |
| 93 Bisphenol-A | 213 | 10.558 | 10.564 | -0.006 | 99 | 28824 | 5.00 | 5.56 | |
| \$ 94 Terphenyl-d14 | 244 | 10.681 | 10.693 | -0.012 | 98 | 46212 | 5.00 | 5.25 | |
| 95 Butyl benzyl phthalate | 149 | 11.222 | 11.234 | -0.012 | 98 | 26719 | 5.00 | 4.60 | |
| 97 Carbamazepine | 193 | 11.358 | 11.369 | -0.011 | 93 | 17509 | 5.00 | 4.08 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.881 | 11.887 | -0.006 | 98 | 15638 | 5.00 | 4.43 | |
| 99 Benzo[a]anthracene | 228 | 11.916 | 11.922 | -0.006 | 99 | 49111 | 5.00 | 4.58 | |
| * 100 Chrysene-d12 | 240 | 11.928 | 11.940 | -0.012 | 98 | 352388 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.946 | 11.952 | -0.006 | 89 | 38221 | 5.00 | 4.71 | |
| 101 Chrysene | 228 | 11.958 | 11.969 | -0.011 | 99 | 47280 | 5.00 | 4.89 | |
| 103 Di-n-octyl phthalate | 149 | 12.834 | 12.840 | -0.006 | 97 | 53649 | 5.00 | 4.46 | |
| 104 Benzo[b]fluoranthene | 252 | 13.369 | 13.381 | -0.012 | 97 | 39348 | 5.00 | 4.76 | |
| 105 Benzo[k]fluoranthene | 252 | 13.405 | 13.422 | -0.017 | 98 | 41800 | 5.00 | 4.83 | |
| 106 Benzo[a]pyrene | 252 | 13.828 | 13.840 | -0.012 | 96 | 37350 | 5.00 | 4.79 | |
| * 107 Perylene-d12 | 264 | 13.910 | 13.922 | -0.012 | 96 | 284768 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.393 | 15.410 | -0.017 | 97 | 31673 | 5.00 | 4.52 | M |
| 109 Dibenz(a,h)anthracene | 278 | 15.422 | 15.440 | -0.018 | 93 | 30963 | 5.00 | 4.61 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.775 | 15.793 | -0.018 | 95 | 33663 | 5.00 | 4.50 | |
| S 117 Total Cresols | 1 | | | | 0 | | | 9.59 | |

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L3_00012

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132496.D

Injection Date: 11-Apr-2016 12:54:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD5

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

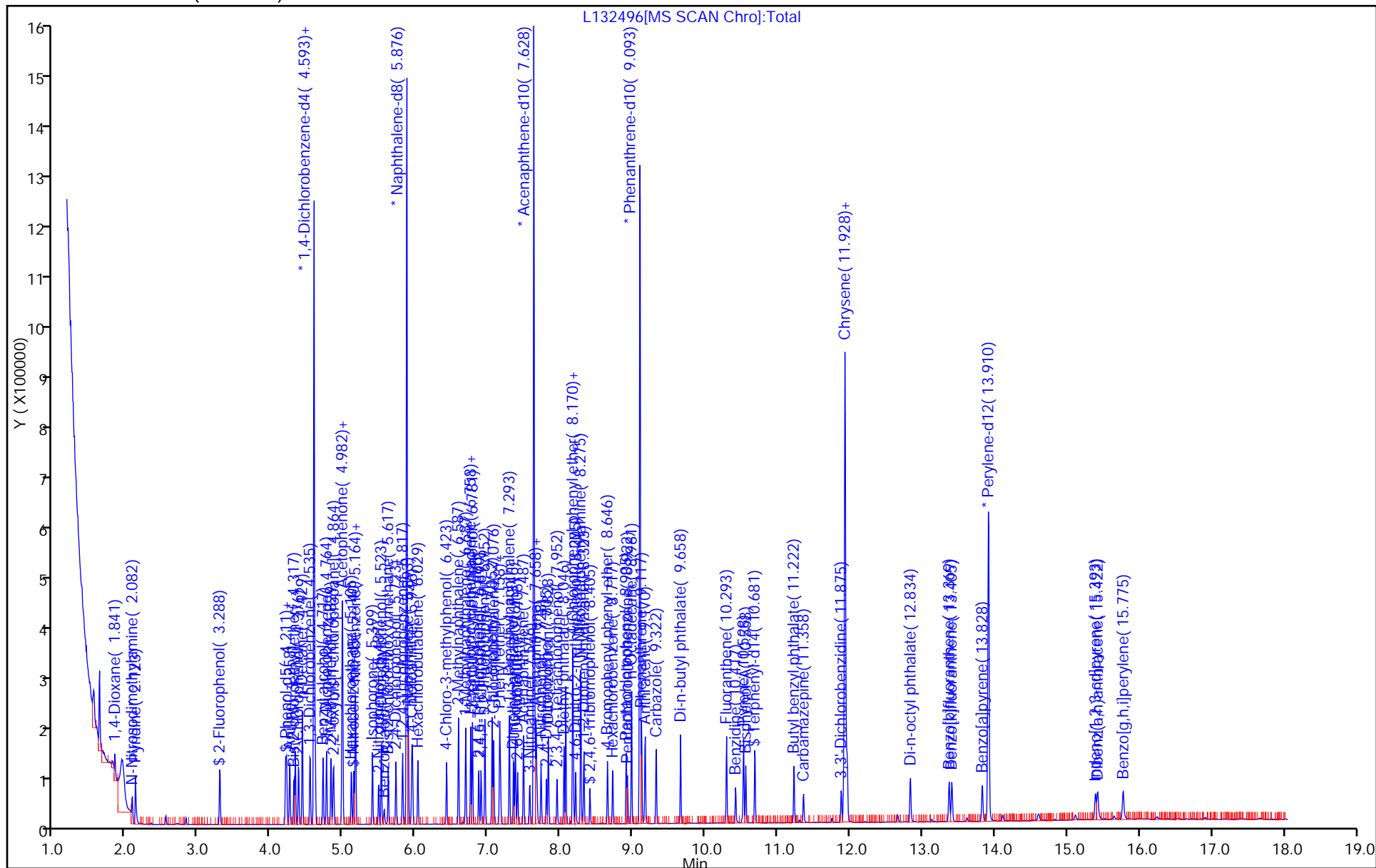
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

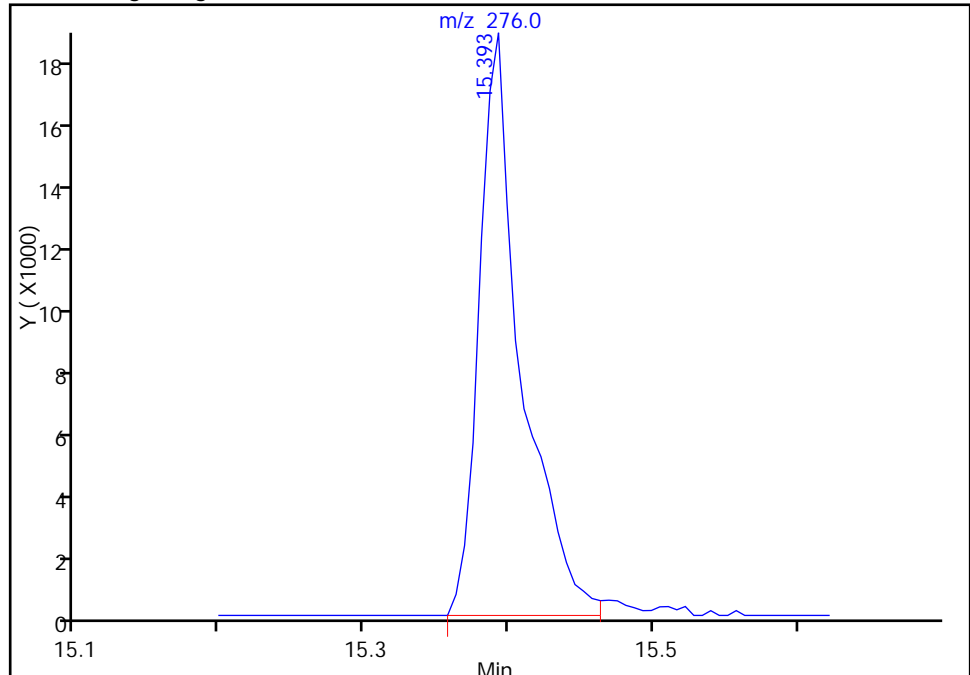
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132496.D
Injection Date: 11-Apr-2016 12:54:30 Instrument ID: CBNAMS12
Lims ID: STD5
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 7 Worklist Smp#: 7
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

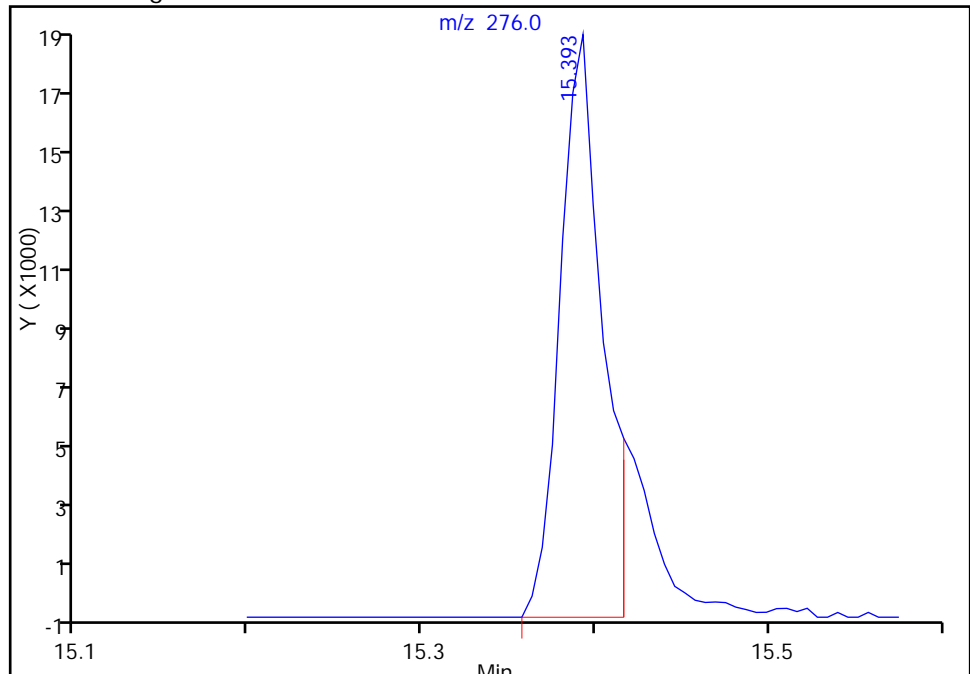
RT: 15.39
Area: 37390
Amount: 5.046105
Amount Units: ug/ml

Processing Integration Results



RT: 15.39
Area: 31673
Amount: 4.515075
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:04:25
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132497.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Apr-2016 13:20:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-008
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:49 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:05:51

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.293 | 3.288 | 0.005 | 92 | 13277 | 2.00 | 2.05 | |
| \$ 6 Phenol-d5 | 99 | 4.199 | 4.211 | -0.012 | 84 | 16574 | 2.00 | 2.10 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.317 | 4.323 | -0.006 | 93 | 12128 | 2.00 | 1.93 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.593 | 4.593 | 0.000 | 97 | 190881 | 40.0 | 40.0 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.987 | 4.999 | -0.012 | 86 | 8404 | 2.00 | 1.92 | |
| 25 Hexachloroethane | 117 | 5.105 | 5.111 | -0.006 | 92 | 5912 | 2.00 | 2.03 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.140 | 5.146 | -0.006 | 90 | 13790 | 2.00 | 2.11 | |
| 27 Nitrobenzene | 77 | 5.164 | 5.170 | -0.006 | 90 | 17011 | 2.00 | 2.03 | |
| 28 n,n'-Dimethylaniline | 120 | 5.170 | 5.176 | -0.006 | 94 | 18350 | 2.00 | 1.98 | |
| 29 Isophorone | 82 | 5.399 | 5.411 | -0.012 | 98 | 19231 | 2.00 | 1.86 | |
| 34 2,4-Dichlorophenol | 162 | 5.723 | 5.729 | -0.006 | 95 | 8940 | 2.00 | 1.89 | |
| 35 1,2,4-Trichlorobenzene | 180 | 5.817 | 5.823 | -0.006 | 95 | 10158 | 2.00 | 1.98 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 681381 | 40.0 | 40.0 | |
| 39 Hexachlorobutadiene | 225 | 6.029 | 6.029 | 0.000 | 93 | 5721 | 2.00 | 1.98 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.870 | 6.876 | -0.006 | 86 | 4827 | 2.00 | 2.04 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.952 | 6.958 | -0.006 | 98 | 24930 | 2.00 | 2.19 | |
| 60 2,6-Dinitrotoluene | 165 | 7.405 | 7.417 | -0.012 | 93 | 4248 | 2.00 | 1.89 | |
| * 63 Acenaphthene-d10 | 164 | 7.628 | 7.634 | -0.006 | 93 | 319437 | 40.0 | 40.0 | |
| 66 2,4-Dinitrophenol | 184 | 7.676 | 7.687 | -0.011 | 27 | 2607 | 4.00 | 5.56 | |
| 68 2,4-Dinitrotoluene | 165 | 7.805 | 7.817 | -0.012 | 92 | 5119 | 2.00 | 1.86 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.205 | 8.223 | -0.018 | 79 | 3990 | 4.00 | 4.13 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.276 | 8.287 | -0.011 | 67 | 28246 | 4.00 | 3.90 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.405 | 8.411 | -0.006 | 91 | 2241 | 2.00 | 2.13 | |
| 81 Hexachlorobenzene | 284 | 8.723 | 8.728 | -0.005 | 98 | 5212 | 2.00 | 1.97 | |
| 83 Pentachlorophenol | 266 | 8.905 | 8.917 | -0.012 | 91 | 4911 | 4.00 | 3.06 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 476126 | 40.0 | 40.0 | |
| \$ 94 Terphenyl-d14 | 244 | 10.681 | 10.693 | -0.012 | 98 | 18573 | 2.00 | 2.11 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.881 | 11.887 | -0.006 | 98 | 5566 | 2.00 | 1.58 | |
| 99 Benzo[a]anthracene | 228 | 11.916 | 11.922 | -0.006 | 99 | 20988 | 2.00 | 1.96 | |
| * 100 Chrysene-d12 | 240 | 11.928 | 11.940 | -0.012 | 98 | 351448 | 40.0 | 40.0 | |
| 104 Benzo[b]fluoranthene | 252 | 13.369 | 13.381 | -0.012 | 98 | 15518 | 2.00 | 1.91 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 105 Benzo[k]fluoranthene | 252 | 13.405 | 13.422 | -0.017 | 98 | 17046 | 2.00 | 2.01 | |
| 106 Benzo[a]pyrene | 252 | 13.828 | 13.840 | -0.012 | 94 | 13855 | 2.00 | 1.81 | |
| * 107 Perylene-d12 | 264 | 13.910 | 13.922 | -0.012 | 95 | 279767 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.387 | 15.410 | -0.023 | 96 | 11952 | 2.00 | 1.73 | M |
| 109 Dibenz(a,h)anthracene | 278 | 15.422 | 15.440 | -0.018 | 94 | 11536 | 2.00 | 1.75 | |

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L0_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132497.D

Injection Date: 11-Apr-2016 13:20:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD2

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

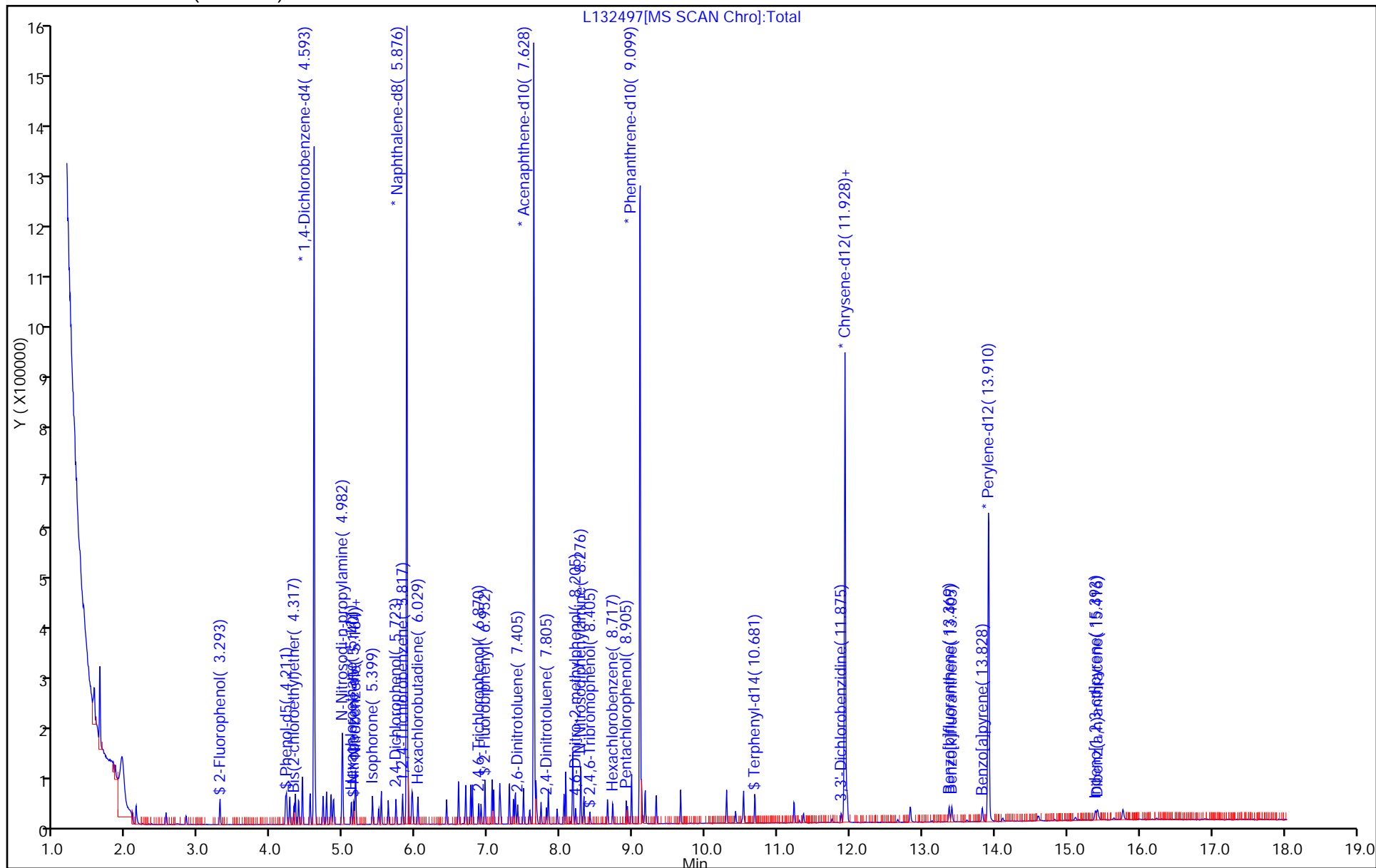
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

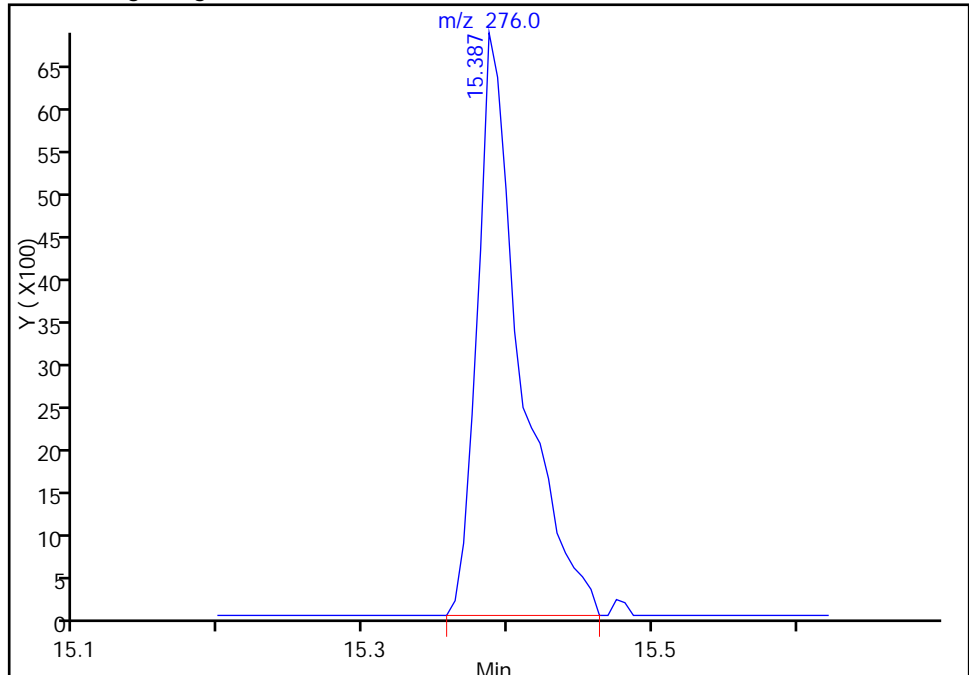
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132497.D
Injection Date: 11-Apr-2016 13:20:30 Instrument ID: CBNAMS12
Lims ID: STD2
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 8 Worklist Smp#: 8
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

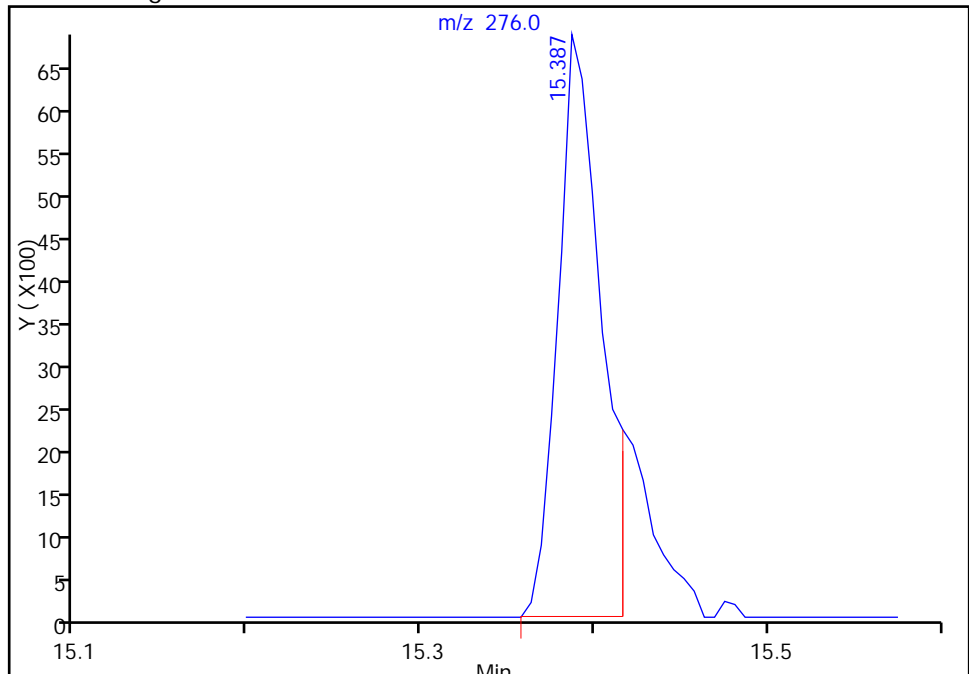
RT: 15.39
Area: 14345
Amount: 2.004966
Amount Units: ug/ml

Processing Integration Results



RT: 15.39
Area: 11952
Amount: 1.734248
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:05:51
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132498.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Apr-2016 13:46:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-009
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:54 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:07:02

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.294 | 3.288 | 0.006 | 95 | 5286 | 1.00 | 0.9128 | |
| \$ 6 Phenol-d5 | 99 | 4.199 | 4.211 | -0.012 | 85 | 6026 | 1.00 | 0.8576 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.317 | 4.323 | -0.006 | 93 | 5829 | 1.00 | 1.04 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.594 | 4.593 | 0.001 | 97 | 170294 | 40.0 | 40.0 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.988 | 4.999 | -0.011 | 84 | 4076 | 1.00 | 1.04 | |
| 25 Hexachloroethane | 117 | 5.111 | 5.111 | 0.000 | 93 | 2644 | 1.00 | 1.02 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.146 | 5.146 | 0.000 | 88 | 5500 | 1.00 | 0.9092 | |
| 27 Nitrobenzene | 77 | 5.164 | 5.170 | -0.006 | 91 | 7529 | 1.00 | 0.9713 | |
| 28 n,n'-Dimethylaniline | 120 | 5.170 | 5.176 | -0.006 | 93 | 8078 | 1.00 | 0.9766 | |
| 35 1,2,4-Trichlorobenzene | 180 | 5.817 | 5.823 | -0.006 | 94 | 4763 | 1.00 | 1.00 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 631319 | 40.0 | 40.0 | |
| 39 Hexachlorobutadiene | 225 | 6.029 | 6.029 | 0.000 | 92 | 2793 | 1.00 | 1.04 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.952 | 6.958 | -0.006 | 98 | 10413 | 1.00 | 0.9217 | |
| 60 2,6-Dinitrotoluene | 165 | 7.405 | 7.417 | -0.012 | 93 | 2162 | 1.00 | 0.9691 | |
| * 63 Acenaphthene-d10 | 164 | 7.629 | 7.634 | -0.005 | 93 | 316452 | 40.0 | 40.0 | |
| 68 2,4-Dinitrotoluene | 165 | 7.805 | 7.817 | -0.012 | 50 | 2478 | 1.00 | 0.9066 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.405 | 8.411 | -0.006 | 88 | 681 | 1.00 | 0.9757 | |
| 81 Hexachlorobenzene | 284 | 8.717 | 8.728 | -0.011 | 97 | 2655 | 1.00 | 1.02 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 468348 | 40.0 | 40.0 | |
| \$ 94 Terphenyl-d14 | 244 | 10.681 | 10.693 | -0.012 | 98 | 7622 | 1.00 | 0.8929 | |
| 99 Benzo[a]anthracene | 228 | 11.917 | 11.922 | -0.005 | 98 | 10943 | 1.00 | 1.05 | |
| * 100 Chrysene-d12 | 240 | 11.928 | 11.940 | -0.012 | 98 | 341607 | 40.0 | 40.0 | |
| 104 Benzo[b]fluoranthene | 252 | 13.369 | 13.381 | -0.012 | 96 | 7612 | 1.00 | 0.9226 | |
| 105 Benzo[k]fluoranthene | 252 | 13.405 | 13.422 | -0.017 | 96 | 8100 | 1.00 | 0.9391 | |
| 106 Benzo[a]pyrene | 252 | 13.828 | 13.840 | -0.012 | 92 | 6960 | 1.00 | 0.8952 | |
| * 107 Perylene-d12 | 264 | 13.911 | 13.922 | -0.011 | 96 | 283980 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.393 | 15.410 | -0.017 | 97 | 6176 | 1.00 | 0.8828 | M |
| 109 Dibenz(a,h)anthracene | 278 | 15.422 | 15.440 | -0.018 | 93 | 5730 | 1.00 | 0.8552 | |

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L2_00010

Amount Added: 1.00

Units: mL

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132498.D

Operator ID:

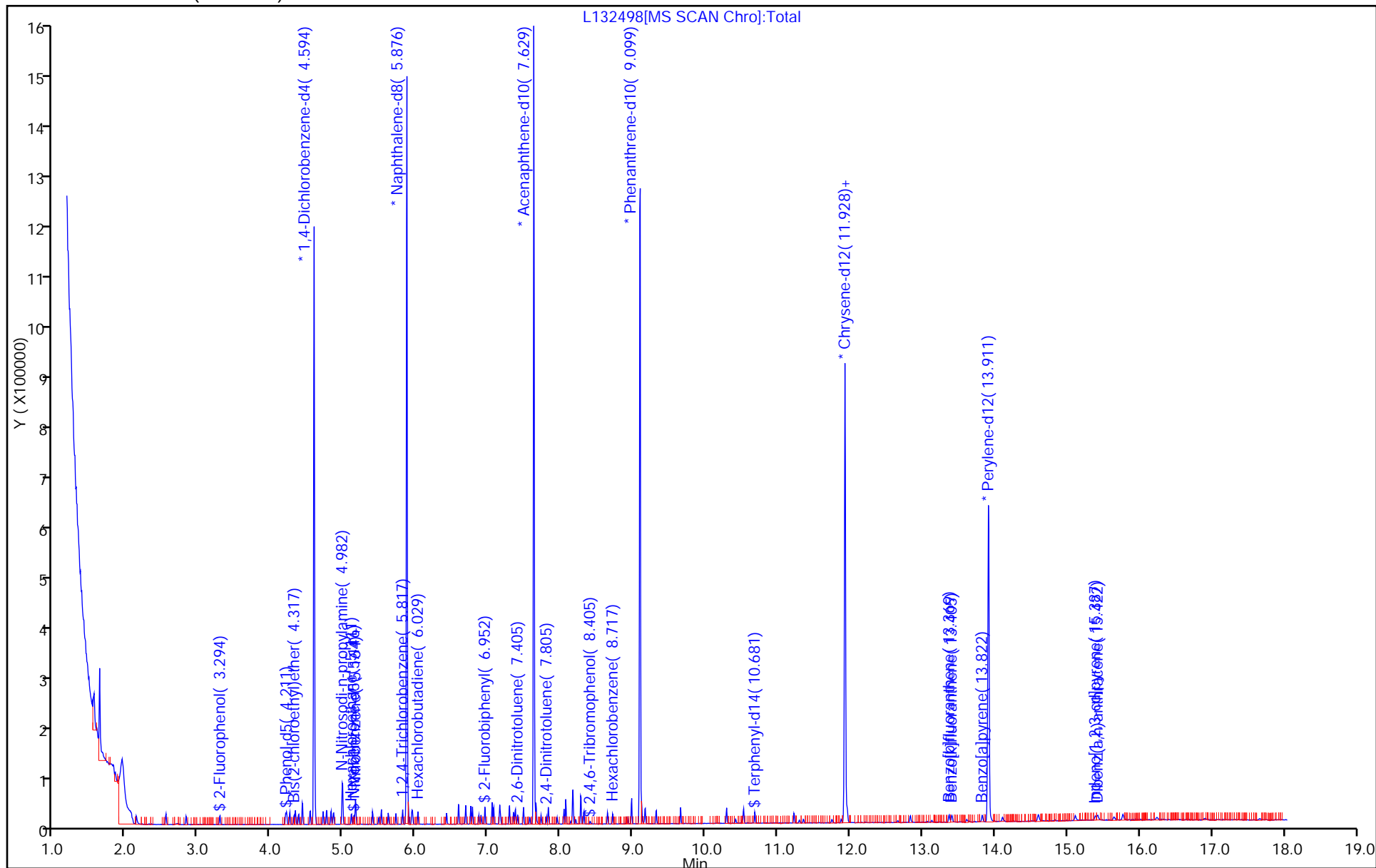
Worklist Smp#: 9

ALS Bottle#: 9

Dil. Factor: 1.0000

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

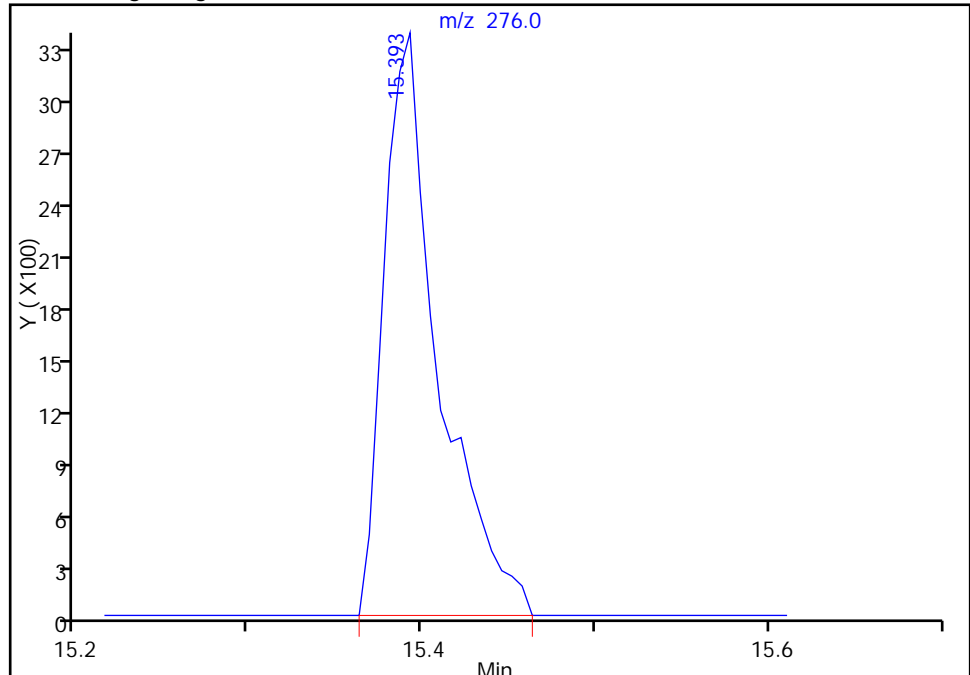
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132498.D
Injection Date: 11-Apr-2016 13:46:30 Instrument ID: CBNAMS12
Lims ID: STD1
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 9 Worklist Smp#: 9
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

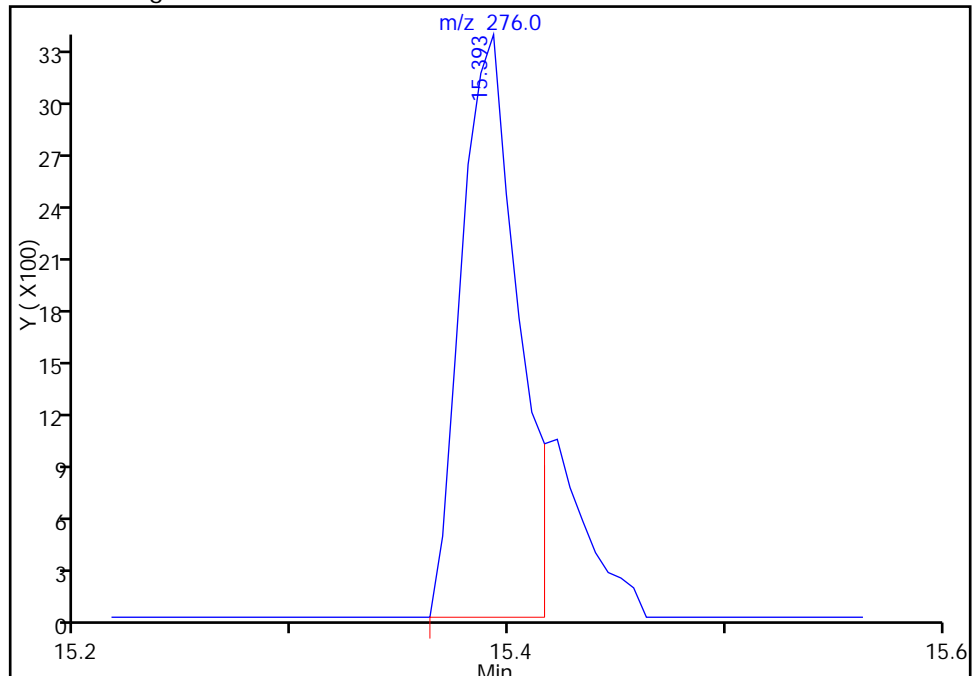
RT: 15.39
Area: 7364
Amount: 1.033177
Amount Units: ug/ml

Processing Integration Results



RT: 15.39
Area: 6176
Amount: 0.882849
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:07:02
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132499.D
 Lims ID: STD05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Apr-2016 14:12:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-010
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:58 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:08:59

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 9 Bis(2-chloroethyl)ether | 93 | 4.317 | 4.323 | -0.006 | 95 | 2966 | 0.5000 | 0.5488 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.594 | 4.593 | 0.001 | 97 | 164590 | 40.0 | 40.0 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.988 | 4.999 | -0.011 | 59 | 1958 | 0.5000 | 0.5182 | |
| 25 Hexachloroethane | 117 | 5.111 | 5.111 | 0.000 | 92 | 1211 | 0.5000 | 0.4824 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.141 | 5.146 | -0.005 | 86 | 2775 | 0.5000 | 0.4754 | |
| 27 Nitrobenzene | 77 | 5.164 | 5.170 | -0.006 | 90 | 3618 | 0.5000 | 0.4837 | |
| 28 n,n'-Dimethylaniline | 120 | 5.170 | 5.176 | -0.006 | 92 | 3884 | 0.5000 | 0.4858 | |
| 35 1,2,4-Trichlorobenzene | 180 | 5.817 | 5.823 | -0.006 | 92 | 2337 | 0.5000 | 0.5084 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 609177 | 40.0 | 40.0 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.952 | 6.958 | -0.006 | 98 | 4678 | 0.5000 | 0.4336 | |
| * 63 Acenaphthene-d10 | 164 | 7.629 | 7.634 | -0.005 | 93 | 302223 | 40.0 | 40.0 | |
| 81 Hexachlorobenzene | 284 | 8.723 | 8.728 | -0.005 | 92 | 1279 | 0.5000 | 0.4912 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 468728 | 40.0 | 40.0 | |
| \$ 94 Terphenyl-d14 | 244 | 10.687 | 10.693 | -0.006 | 97 | 4100 | 0.5000 | 0.4542 | |
| 99 Benzo[a]anthracene | 228 | 11.917 | 11.922 | -0.005 | 97 | 6130 | 0.5000 | 0.5580 | |
| * 100 Chrysene-d12 | 240 | 11.928 | 11.940 | -0.012 | 99 | 361244 | 40.0 | 40.0 | |
| 104 Benzo[b]fluoranthene | 252 | 13.370 | 13.381 | -0.011 | 98 | 3740 | 0.5000 | 0.4478 | |
| 105 Benzo[k]fluoranthene | 252 | 13.405 | 13.422 | -0.017 | 96 | 3956 | 0.5000 | 0.4531 | |
| 106 Benzo[a]pyrene | 252 | 13.828 | 13.840 | -0.012 | 95 | 3566 | 0.5000 | 0.4531 | |
| * 107 Perylene-d12 | 264 | 13.917 | 13.922 | -0.005 | 96 | 287457 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.387 | 15.410 | -0.023 | 94 | 2890 | 0.5000 | 0.4081 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.416 | 15.440 | -0.024 | 92 | 2699 | 0.5000 | 0.3980 | |

Reagents:

SV_IC_BNA_L1_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132499.D

Injection Date: 11-Apr-2016 14:12:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

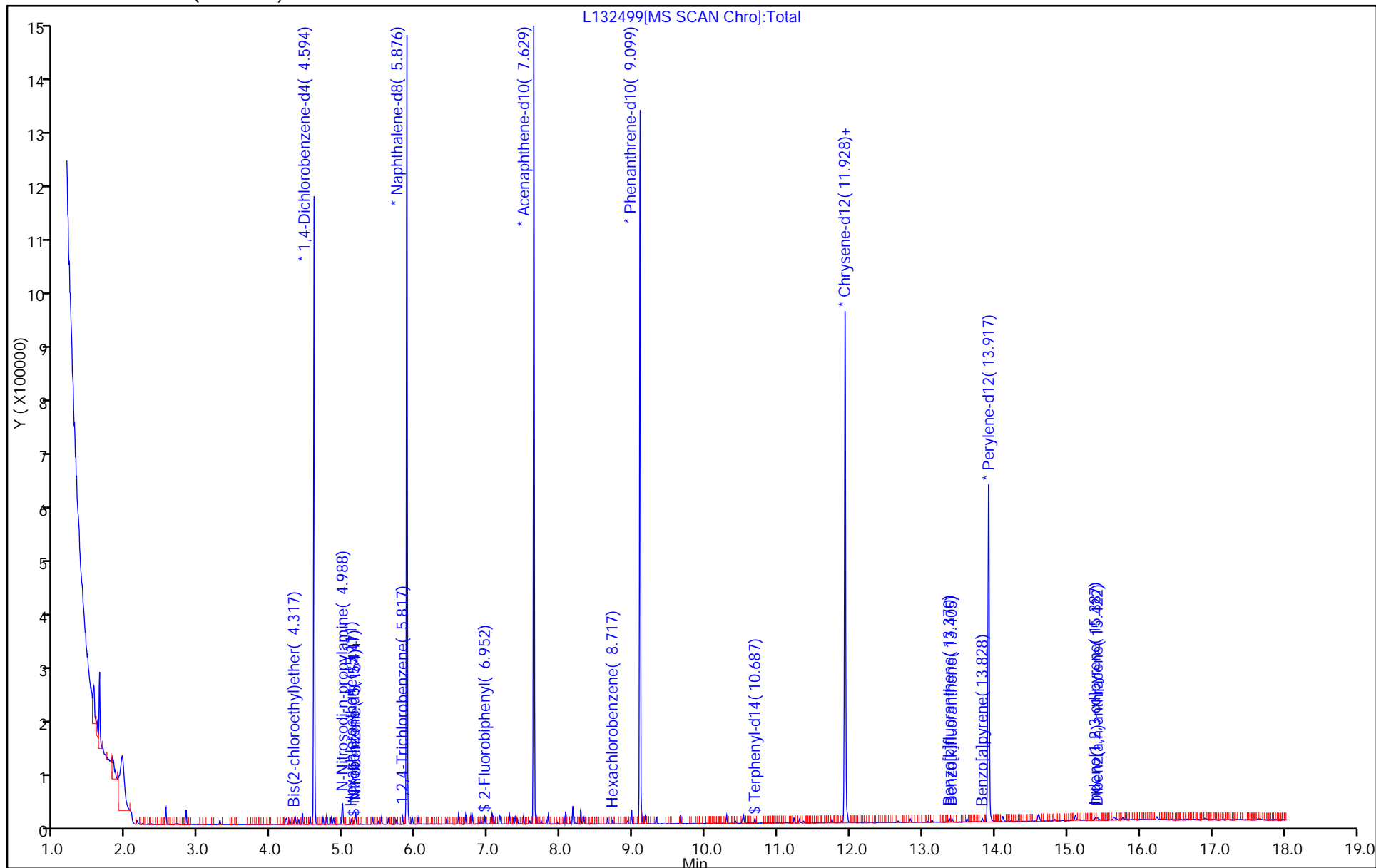
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 14:39 Calibration End Date: 04/11/2016 17:16 Calibration ID: 55277

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|----------------------|--------------|
| Level 1 | STD2 460-361776/17 | L132506.D |
| Level 2 | STD5 460-361776/16 | L132505.D |
| Level 3 | STD010 460-361776/15 | L132504.D |
| Level 4 | STD020 460-361776/14 | L132503.D |
| Level 5 | STD50 460-361776/11 | L132500.D |
| Level 6 | STD080 460-361776/13 | L132502.D |
| Level 7 | STD120 460-361776/12 | L132501.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|--------------|------------------|------------------|--------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Benzaldehyde | 1.1337 1.1205 | 1.0794 1.1230 | 1.0672 | 1.1814 | 1.1646 | Ave | | 1.1243 | | | 0.0100 | 3.7 | | 20.0 | | | |
| Caprolactam | 0.0571 0.0848 | 0.0687 0.0875 | 0.0755 | 0.0804 | 0.0860 | Ave | | 0.0771 | | | 0.0100 | 14.3 | | 20.0 | | | |
| Atrazine | 0.1766 0.1989 | 0.1933 0.1971 | 0.1905 | 0.2094 | 0.2126 | Ave | | 0.1969 | | | 0.0100 | 6.1 | | 20.0 | | | |

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111850-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 14:39 Calibration End Date: 04/11/2016 17:16 Calibration ID: 55277

Calibration Files:

| | | |
|---------|----------------------|--------------|
| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
| Level 1 | STD2 460-361776/17 | L132506.D |
| Level 2 | STD5 460-361776/16 | L132505.D |
| Level 3 | STD010 460-361776/15 | L132504.D |
| Level 4 | STD020 460-361776/14 | L132503.D |
| Level 5 | STD50 460-361776/11 | L132500.D |
| Level 6 | STD080 460-361776/13 | L132502.D |
| Level 7 | STD120 460-361776/12 | L132501.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|--------------|-----------|---------------|-----------------|-----------------|-------|--------|--------|-----------------------|----------------|-------|-------|-------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| Benzaldehyde | DCB | Ave | 10279 385434 | 21023 553942 | 39645 | 106477 | 257854 | 2.00 80.0 | 5.00 120 | 10.0 | 20.0 | 50.0 |
| Caprolactam | NPT | Ave | 1922 108135 | 4885 159376 | 10325 | 26905 | 69838 | 2.00 80.0 | 5.00 120 | 10.0 | 20.0 | 50.0 |
| Atrazine | PHN | Ave | 4624 192547 | 10550 269260 | 19519 | 52749 | 131228 | 2.00 80.0 | 5.00 120 | 10.0 | 20.0 | 50.0 |

Curve Type Legend:

Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132500.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 11-Apr-2016 14:39:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-011
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:05 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:46:41

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.153 | 4.153 | 0.000 | 93 | 257854 | 50.0 | 51.8 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.594 | 4.594 | 0.000 | 97 | 177123 | 40.0 | 40.0 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 649612 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.270 | 6.270 | 0.000 | 88 | 69838 | 50.0 | 55.8 | |
| * 63 Acenaphthene-d10 | 164 | 7.629 | 7.629 | 0.000 | 93 | 324903 | 40.0 | 40.0 | |
| 82 Atrazine | 200 | 8.805 | 8.805 | 0.000 | 88 | 131228 | 50.0 | 54.0 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 493890 | 40.0 | 40.0 | |
| * 100 Chrysene-d12 | 240 | 11.928 | 11.928 | 0.000 | 98 | 354609 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.917 | 13.917 | 0.000 | 96 | 264444 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L6_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132500.D

Injection Date: 11-Apr-2016 14:39:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

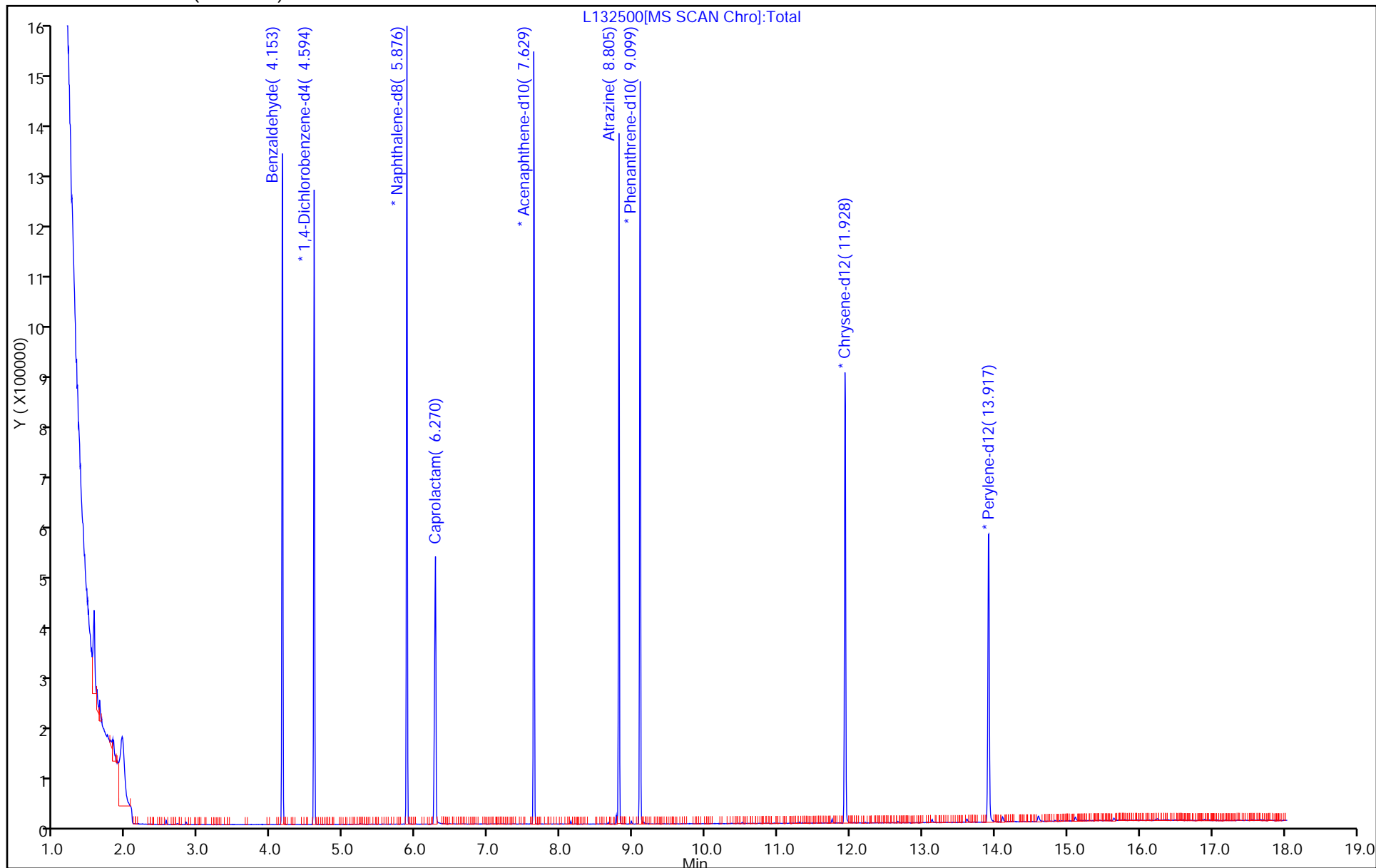
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132501.D
 Lims ID: STD120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 11-Apr-2016 15:05:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-012
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:12 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:47:01

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.158 | 4.153 | 0.006 | 94 | 553942 | 120.0 | 119.9 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.593 | 4.594 | -0.001 | 97 | 164423 | 40.0 | 40.0 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 607339 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.287 | 6.270 | 0.017 | 88 | 159376 | 120.0 | 136.1 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.629 | 0.005 | 93 | 309407 | 40.0 | 40.0 | |
| 82 Atrazine | 200 | 8.811 | 8.805 | 0.006 | 88 | 269260 | 120.0 | 120.2 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 455257 | 40.0 | 40.0 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.928 | 0.006 | 99 | 317848 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.910 | 13.917 | -0.007 | 96 | 250044 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L8_00005

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132501.D

Injection Date: 11-Apr-2016 15:05:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

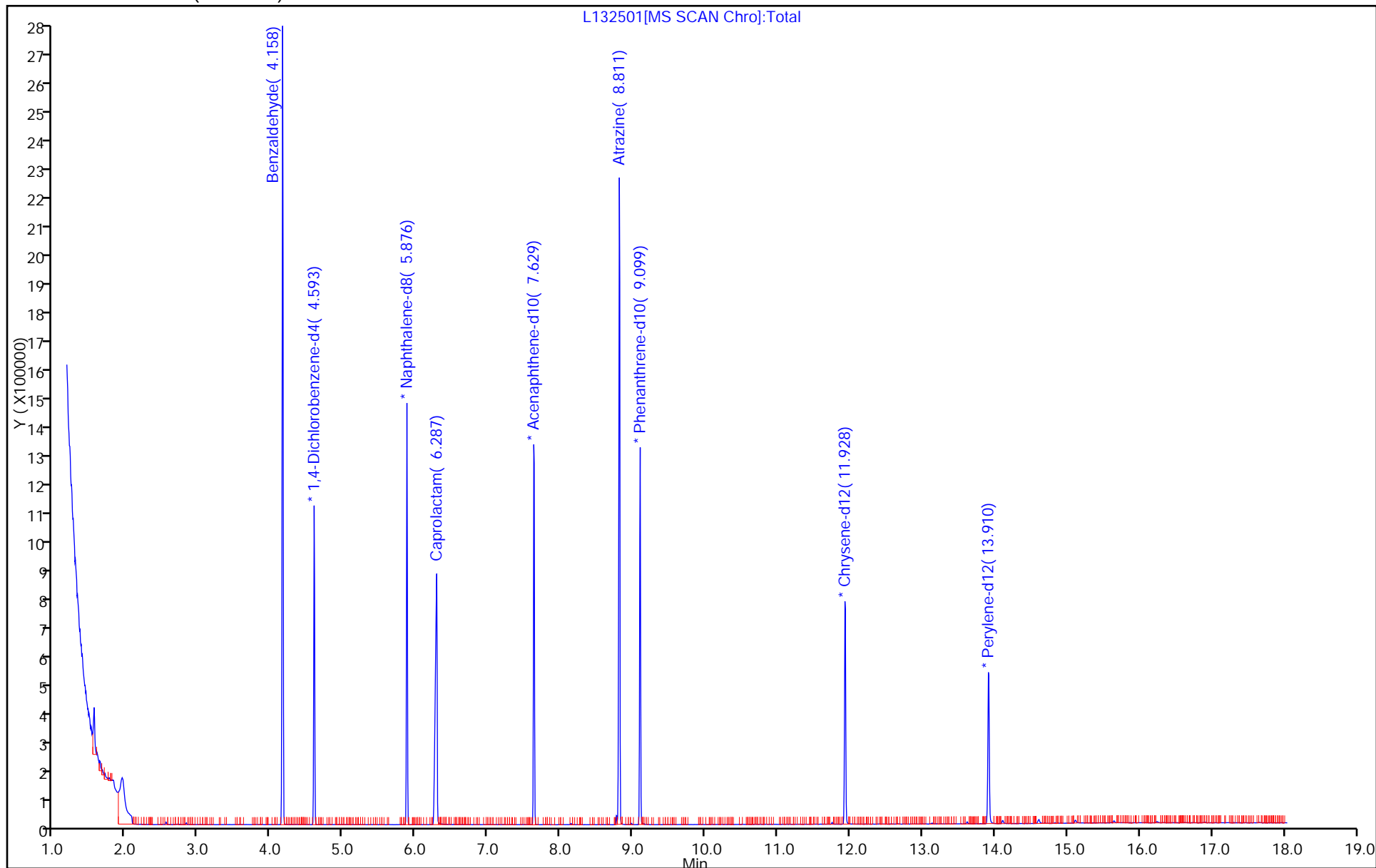
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132502.D
 Lims ID: STD080
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Apr-2016 15:31:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-013
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:21 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:00:40

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.158 | 4.153 | 0.006 | 93 | 385434 | 80.0 | 79.7 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.593 | 4.594 | -0.001 | 97 | 171988 | 40.0 | 40.0 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 637870 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.282 | 6.270 | 0.012 | 88 | 108135 | 80.0 | 87.9 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.629 | 0.005 | 93 | 318071 | 40.0 | 40.0 | |
| 82 Atrazine | 200 | 8.811 | 8.805 | 0.006 | 88 | 192547 | 80.0 | 80.8 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 484090 | 40.0 | 40.0 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.928 | 0.006 | 99 | 329302 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.917 | -0.001 | 97 | 243104 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L7_00005

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132502.D

Injection Date: 11-Apr-2016 15:31:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD080

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

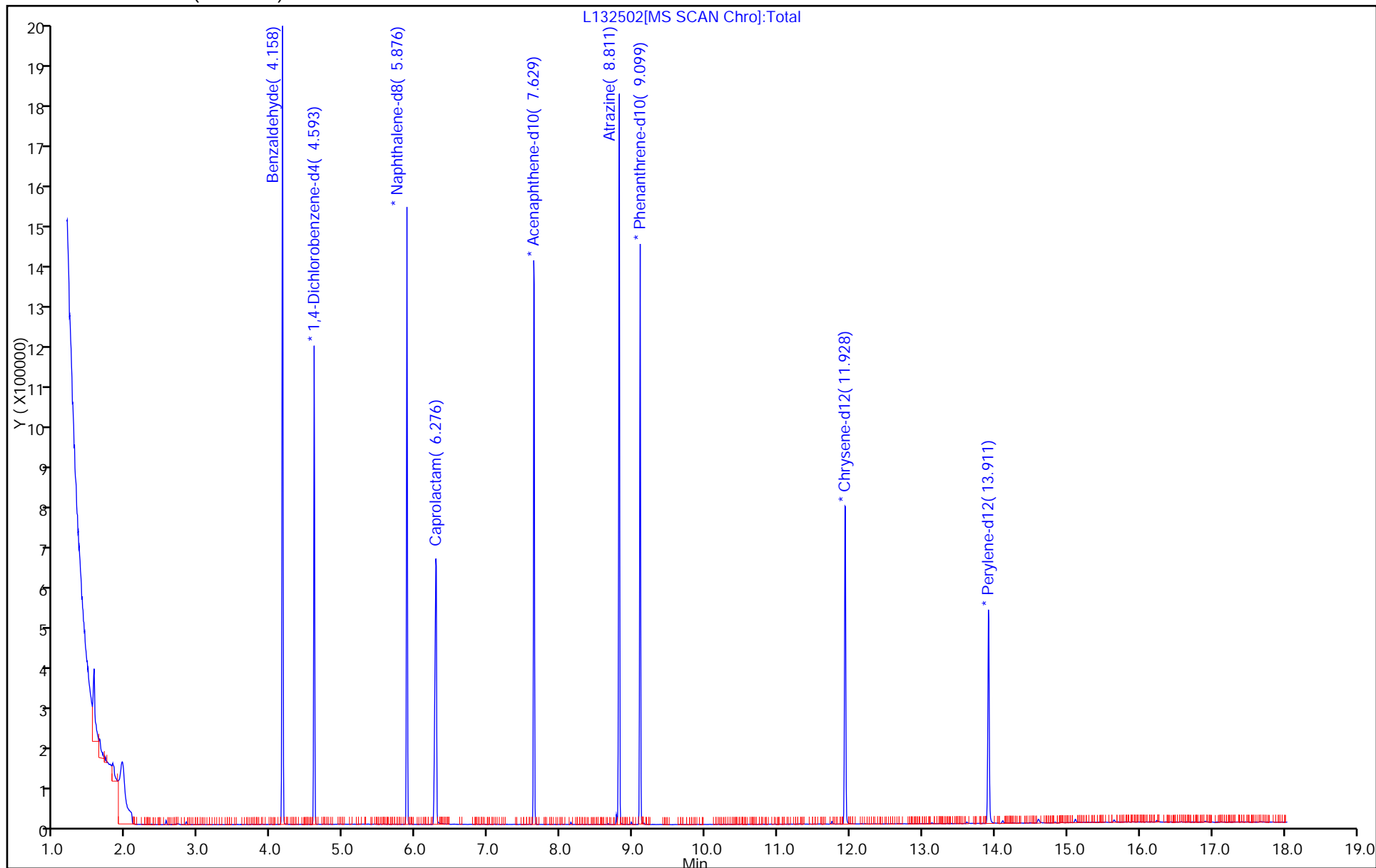
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132503.D
 Lims ID: STD020
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Apr-2016 15:57:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-014
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:28 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:00:52

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.152 | 4.153 | 0.000 | 94 | 106477 | 20.0 | 21.0 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.593 | 4.594 | -0.001 | 97 | 180252 | 40.0 | 40.0 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 669683 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.258 | 6.270 | -0.012 | 89 | 26905 | 20.0 | 20.8 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.629 | 0.005 | 93 | 337469 | 40.0 | 40.0 | |
| 82 Atrazine | 200 | 8.805 | 8.805 | 0.000 | 89 | 52749 | 20.0 | 21.3 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 503925 | 40.0 | 40.0 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.928 | 0.006 | 98 | 368161 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.917 | -0.001 | 96 | 281829 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L5_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132503.D

Injection Date: 11-Apr-2016 15:57:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD020

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

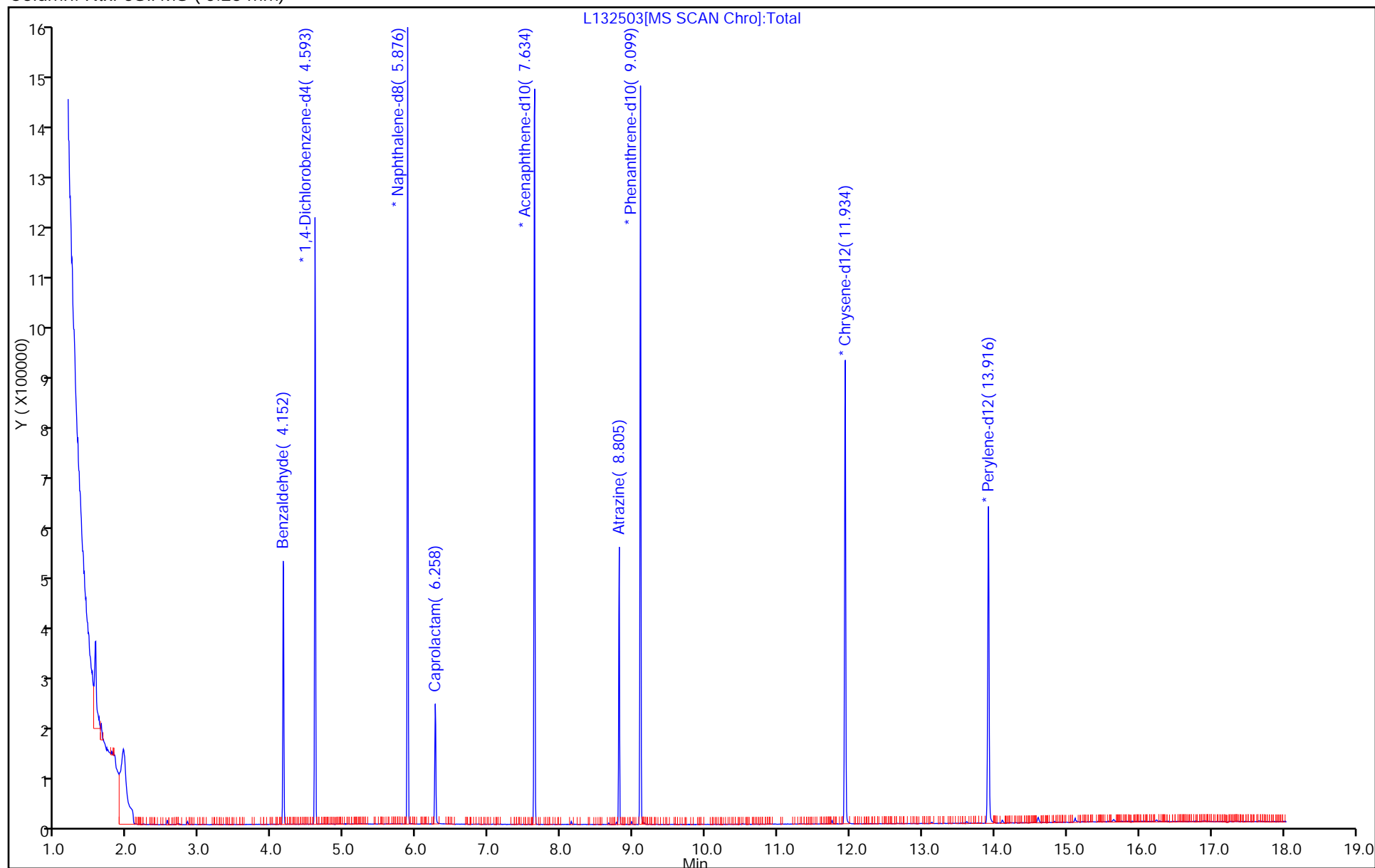
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132504.D
 Lims ID: STD010
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Apr-2016 16:24:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-015
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:35 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:02:16

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.152 | 4.153 | 0.000 | 92 | 39645 | 10.0 | 9.49 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.593 | 4.594 | -0.001 | 97 | 148599 | 40.0 | 40.0 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 547357 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.252 | 6.270 | -0.018 | 89 | 10325 | 10.0 | 9.78 | |
| * 63 Acenaphthene-d10 | 164 | 7.629 | 7.629 | 0.000 | 93 | 272092 | 40.0 | 40.0 | |
| 82 Atrazine | 200 | 8.799 | 8.805 | -0.006 | 88 | 19519 | 10.0 | 9.67 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 409951 | 40.0 | 40.0 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.928 | 0.006 | 99 | 295818 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.917 | -0.001 | 96 | 230128 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L4_00020

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132504.D

Injection Date: 11-Apr-2016 16:24:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD010

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

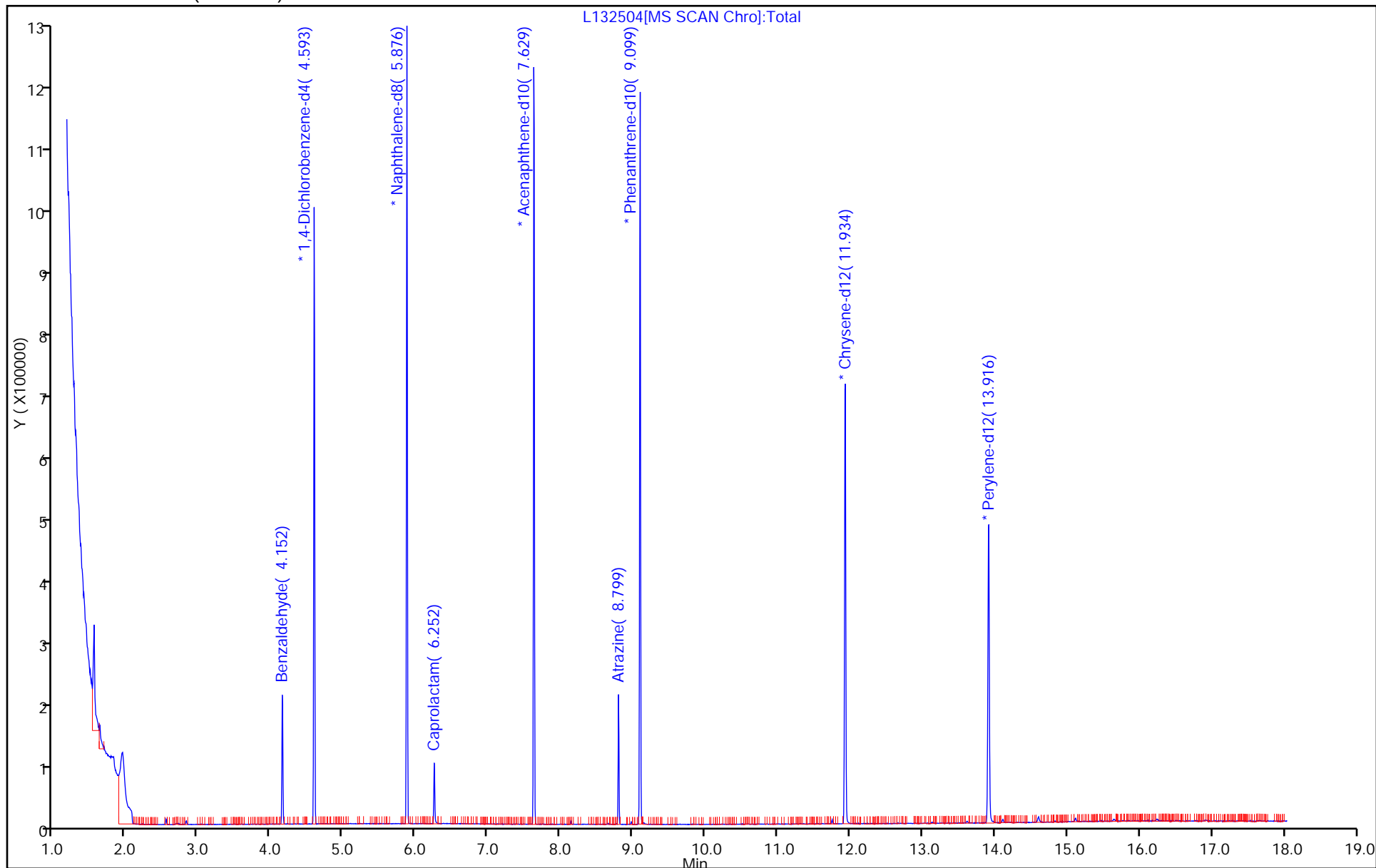
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132505.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Apr-2016 16:50:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-016
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:43 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:40:35

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.158 | 4.153 | 0.006 | 92 | 21023 | 5.00 | 4.80 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.594 | 4.594 | 0.000 | 97 | 155810 | 40.0 | 40.0 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 568867 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.252 | 6.270 | -0.018 | 88 | 4885 | 5.00 | 4.45 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.629 | 0.005 | 93 | 282841 | 40.0 | 40.0 | |
| 82 Atrazine | 200 | 8.799 | 8.805 | -0.006 | 89 | 10550 | 5.00 | 4.91 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 436721 | 40.0 | 40.0 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.928 | 0.006 | 98 | 332080 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.917 | -0.001 | 96 | 255792 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L3_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132505.D

Injection Date: 11-Apr-2016 16:50:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

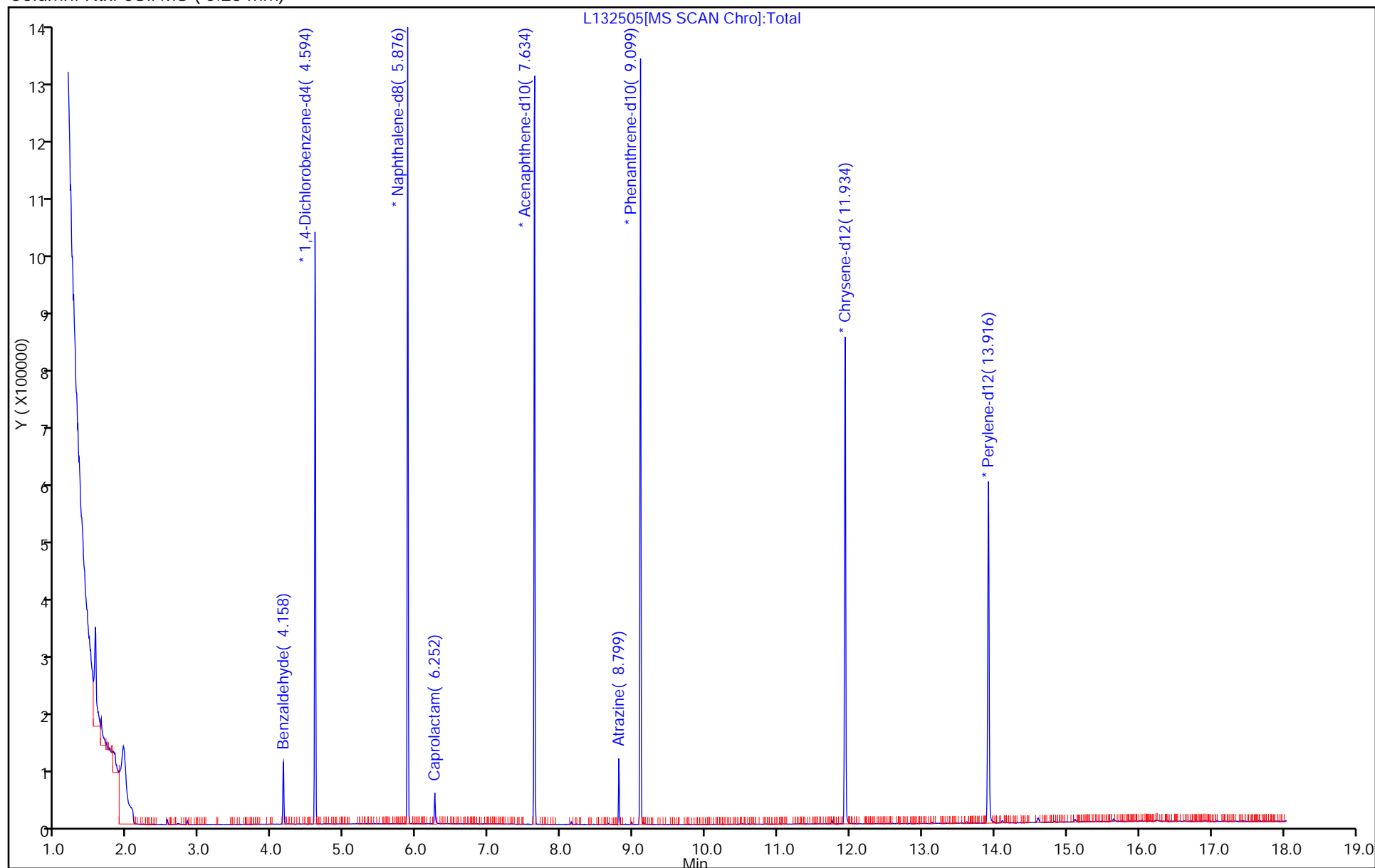
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Apr-2016 17:16:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-017
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:49 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:42:06

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.158 | 4.153 | 0.006 | 94 | 10279 | 2.00 | 2.02 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.599 | 4.594 | 0.005 | 97 | 181331 | 40.0 | 40.0 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 672961 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.252 | 6.270 | -0.018 | 87 | 1922 | 2.00 | 1.48 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.629 | 0.005 | 93 | 338284 | 40.0 | 40.0 | |
| 82 Atrazine | 200 | 8.799 | 8.805 | -0.006 | 88 | 4624 | 2.00 | 1.79 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 523686 | 40.0 | 40.0 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.928 | 0.006 | 98 | 381574 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.917 | -0.001 | 96 | 283632 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L2_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132506.D

Injection Date: 11-Apr-2016 17:16:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

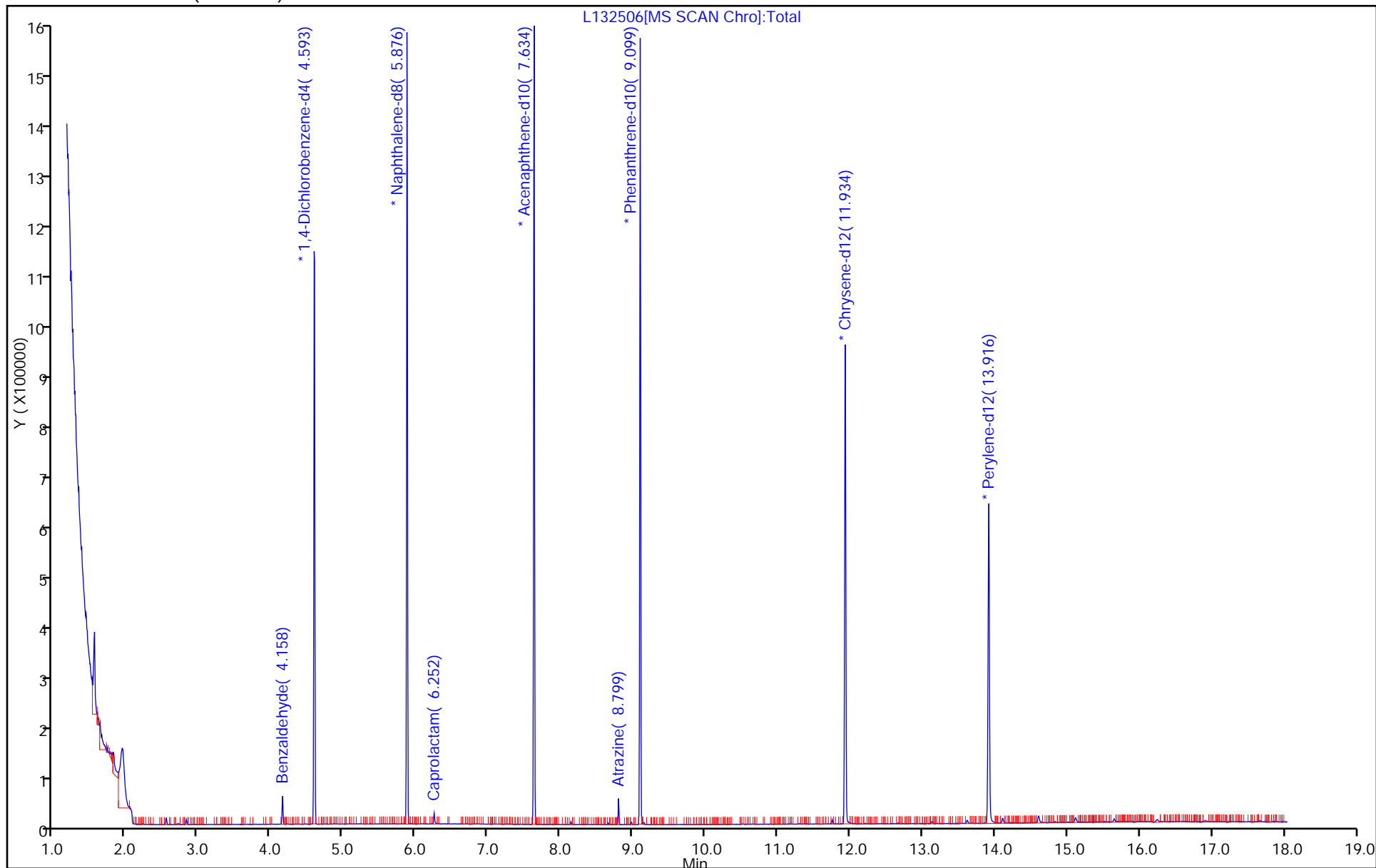
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Lab Sample ID: ICV 460-361066/18 Calibration Date: 04/06/2016 19:18

Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 12:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 16:05

Lab File ID: z4178287.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 1,4-Dioxane | Ave | 0.6784 | 0.6493 | 0.0100 | 23900 | 25000 | -4.3 | 30.0 |
| N-Nitrosodimethylamine | Ave | 0.9042 | 0.7575 | | 20900 | 25000 | -16.2 | 30.0 |
| Pyridine | Ave | 1.636 | 1.618 | | 24700 | 25000 | -1.2 | 30.0 |
| Phenol | Ave | 1.700 | 1.693 | 0.8000 | 24900 | 25000 | -0.4 | 30.0 |
| Aniline | Ave | 2.043 | 2.021 | | 24700 | 25000 | -1.1 | 30.0 |
| Bis(2-chloroethyl)ether | Ave | 1.349 | 1.326 | 0.7000 | 24600 | 25000 | -1.7 | 30.0 |
| 2-Chlorophenol | Ave | 1.319 | 1.337 | 0.8000 | 25300 | 25000 | 1.4 | 30.0 |
| n-Decane | Ave | 1.308 | 1.284 | 0.0100 | 24600 | 25000 | -1.8 | 30.0 |
| 1,3-Dichlorobenzene | Ave | 1.552 | 1.593 | | 25700 | 25000 | 2.6 | 30.0 |
| 1,4-Dichlorobenzene | Ave | 1.590 | 1.614 | | 25400 | 25000 | 1.5 | 30.0 |
| Benzyl alcohol | Ave | 0.7977 | 0.8681 | 0.0100 | 27200 | 25000 | 8.8 | 30.0 |
| 1,2-Dichlorobenzene | Ave | 1.468 | 1.498 | | 25500 | 25000 | 2.0 | 30.0 |
| 2-Methylphenol | Ave | 1.173 | 1.242 | 0.7000 | 26500 | 25000 | 5.9 | 30.0 |
| 2,2'-oxybis[1-chloropropane] | Ave | 1.236 | 1.260 | 0.0100 | 25500 | 25000 | 1.9 | 30.0 |
| 3 & 4 Methylphenol | Ave | 1.323 | 1.387 | | 26200 | 25000 | 4.8 | 30.0 |
| 4-Methylphenol | Ave | 1.323 | 1.387 | 0.6000 | 26200 | 25000 | 4.8 | 30.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.9811 | 1.063 | 0.5000 | 27100 | 25000 | 8.4 | 30.0 |
| Acetophenone | Ave | 1.780 | 1.883 | 0.0100 | 26400 | 25000 | 5.7 | 30.0 |
| Hexachloroethane | Ave | 0.6323 | 0.6445 | 0.3000 | 25500 | 25000 | 1.9 | 30.0 |
| Nitrobenzene | Ave | 0.6381 | 0.6558 | 0.2000 | 25700 | 25000 | 2.8 | 30.0 |
| n,n'-Dimethylaniline | Ave | 2.014 | 2.061 | 0.0100 | 25600 | 25000 | 2.3 | 30.0 |
| Isophorone | Ave | 0.6808 | 0.7420 | 0.4000 | 27200 | 25000 | 9.0 | 30.0 |
| 2-Nitrophenol | Ave | 0.1962 | 0.2048 | 0.1000 | 26100 | 25000 | 4.4 | 30.0 |
| 2,4-Dimethylphenol | Ave | 0.3074 | 0.3069 | 0.2000 | 25000 | 25000 | -0.2 | 30.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.4273 | 0.4475 | 0.3000 | 26200 | 25000 | 4.7 | 30.0 |
| Benzoic acid | Ave | 0.1781 | 0.1984 | | 27900 | 25000 | 11.4 | 30.0 |
| 2,4-Dichlorophenol | Ave | 0.3015 | 0.3181 | 0.2000 | 26400 | 25000 | 5.5 | 30.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3606 | 0.3697 | | 25600 | 25000 | 2.5 | 30.0 |
| Naphthalene | Ave | 1.046 | 1.088 | 0.7000 | 26000 | 25000 | 4.0 | 30.0 |
| 4-Chloroaniline | Ave | 0.4118 | 0.4226 | 0.0100 | 25700 | 25000 | 2.6 | 30.0 |
| Hexachlorobutadiene | Ave | 0.2390 | 0.2533 | 0.0100 | 26500 | 25000 | 6.0 | 30.0 |
| 4-Chloro-3-methylphenol | Ave | 0.3019 | 0.3264 | | 27000 | 25000 | 8.1 | 30.0 |
| 1-Methylnaphthalene | Ave | 0.6562 | 0.6782 | 0.0100 | 25800 | 25000 | 3.3 | 30.0 |
| 2-Methylnaphthalene | Ave | 0.5687 | 0.6294 | 0.4000 | 27700 | 25000 | 10.7 | 30.0 |
| Hexachlorocyclopentadiene | Ave | 0.4732 | 0.4339 | 0.0500 | 22900 | 25000 | -8.3 | 30.0 |
| 1,2,4,5-Tetrachlorobenzene | Ave | 0.7124 | 0.7214 | 0.0100 | 25300 | 25000 | 1.3 | 30.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4797 | 0.5229 | 0.0100 | 27200 | 25000 | 9.0 | 30.0 |
| 2,4,6-Trichlorophenol | Ave | 0.4311 | 0.4501 | 0.2000 | 26100 | 25000 | 4.4 | 30.0 |
| 2,4,5-Trichlorophenol | Ave | 0.4362 | 0.4578 | 0.2000 | 26200 | 25000 | 5.0 | 30.0 |
| 1,1'-Biphenyl | Ave | 1.553 | 1.561 | 0.0100 | 25100 | 25000 | 0.5 | 30.0 |
| 2-Chloronaphthalene | Ave | 1.222 | 1.246 | 0.8000 | 25500 | 25000 | 1.9 | 30.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Lab Sample ID: ICV 460-361066/18 Calibration Date: 04/06/2016 19:18

Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 12:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 16:05

Lab File ID: z4178287.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------|------------|---------|--------|---------|-------------|--------------|------|--------|
| Phenyl ether | Ave | 0.8389 | 0.8694 | 0.0100 | 25900 | 25000 | 3.6 | 30.0 |
| 2-Nitroaniline | Ave | 0.4630 | 0.4931 | 0.0100 | 26600 | 25000 | 6.5 | 30.0 |
| 1,3-Dimethylnaphthalene | Ave | 0.9621 | 1.019 | 0.0100 | 26500 | 25000 | 5.9 | 30.0 |
| Dimethyl phthalate | Ave | 1.234 | 1.311 | 0.0100 | 26600 | 25000 | 6.2 | 30.0 |
| Coumarin | Ave | 0.1867 | 0.2141 | 0.0100 | 28700 | 25000 | 14.7 | 30.0 |
| 2,6-Dinitrotoluene | Ave | 0.2853 | 0.3182 | 0.2000 | 27900 | 25000 | 11.5 | 30.0 |
| Acenaphthylene | Ave | 1.726 | 1.705 | 0.9000 | 24700 | 25000 | -1.2 | 30.0 |
| 3-Nitroaniline | Ave | 0.2821 | 0.3007 | 0.0100 | 26600 | 25000 | 6.6 | 30.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.405 | 1.490 | 0.0100 | 26500 | 25000 | 6.0 | 30.0 |
| Acenaphthene | Ave | 1.227 | 1.342 | 0.9000 | 27300 | 25000 | 9.3 | 30.0 |
| 2,4-Dinitrophenol | Lin2 | | 0.2163 | 0.0100 | 54500 | 50000 | 8.9 | 30.0 |
| 4-Nitrophenol | Ave | 0.2335 | 0.2602 | 0.0100 | 55700 | 50000 | 11.4 | 30.0 |
| 2,4-Dinitrotoluene | Ave | 0.3620 | 0.4010 | 0.2000 | 27700 | 25000 | 10.8 | 30.0 |
| Dibenzofuran | Ave | 1.593 | 1.662 | 0.8000 | 26100 | 25000 | 4.3 | 30.0 |
| 2,3,4,6-Tetrachlorophenol | Ave | 0.3527 | 0.3905 | 0.0100 | 27700 | 25000 | 10.7 | 30.0 |
| Diethyl phthalate | Ave | 1.147 | 1.250 | 0.0100 | 27300 | 25000 | 9.1 | 30.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.6499 | 0.6981 | 0.4000 | 26900 | 25000 | 7.4 | 30.0 |
| Fluorene | Ave | 1.298 | 1.381 | 0.9000 | 26600 | 25000 | 6.4 | 30.0 |
| 4-Nitroaniline | Ave | 0.2633 | 0.2916 | 0.0100 | 27700 | 25000 | 10.8 | 30.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1594 | 0.1720 | 0.0100 | 54000 | 50000 | 7.9 | 30.0 |
| N-Nitrosodiphenylamine | Ave | 0.6189 | 0.7145 | 0.0100 | 49100 | 42500 | 15.5 | 30.0 |
| 1,2-Diphenylhydrazine | Ave | 0.9457 | 0.9744 | 0.0100 | 25800 | 25000 | 3.0 | 30.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2572 | 0.2663 | 0.1000 | 25900 | 25000 | 3.5 | 30.0 |
| Hexachlorobenzene | Ave | 0.2453 | 0.2477 | 0.1000 | 25200 | 25000 | 1.0 | 30.0 |
| Pentachlorophenol | Ave | 0.1595 | 0.1803 | 0.0500 | 56500 | 50000 | 13.1 | 30.0 |
| Pentachloronitrobenzene | Ave | 0.1133 | 0.1286 | 0.0100 | 28400 | 25000 | 13.6 | 30.0 |
| n-Octadecane | Ave | 0.5568 | 0.5250 | 0.0100 | 23600 | 25000 | -5.7 | 30.0 |
| Phenanthrene | Ave | 1.168 | 1.143 | 0.7000 | 24500 | 25000 | -2.1 | 30.0 |
| Anthracene | Ave | 1.178 | 1.190 | 0.7000 | 25300 | 25000 | 1.0 | 30.0 |
| Carbazole | Ave | 0.9641 | 0.9796 | 0.0100 | 25400 | 25000 | 1.6 | 30.0 |
| Di-n-butyl phthalate | Ave | 1.170 | 1.217 | 0.0100 | 26000 | 25000 | 4.0 | 30.0 |
| Fluoranthene | Ave | 1.101 | 1.186 | 0.6000 | 26900 | 25000 | 7.7 | 30.0 |
| Benzidine | Ave | 0.5901 | 0.5620 | | 23800 | 25000 | -4.8 | 30.0 |
| Pyrene | Ave | 1.489 | 1.440 | 0.6000 | 24200 | 25000 | -3.3 | 30.0 |
| Bisphenol-A | Ave | 0.6477 | 0.6434 | | 24800 | 25000 | -0.7 | 30.0 |
| Butyl benzyl phthalate | Ave | 0.5850 | 0.5858 | 0.0100 | 25000 | 25000 | 0.1 | 30.0 |
| Carbamazepine | Ave | 0.4995 | 0.5163 | 0.0100 | 25800 | 25000 | 3.4 | 30.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.4150 | 0.4202 | 0.0100 | 25300 | 25000 | 1.3 | 30.0 |
| Benzo[a]anthracene | Ave | 1.282 | 1.271 | 0.8000 | 24800 | 25000 | -0.9 | 30.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.8325 | 0.8045 | 0.0100 | 24200 | 25000 | -3.4 | 30.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Lab Sample ID: ICV 460-361066/18 Calibration Date: 04/06/2016 19:18
 Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 12:45
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 16:05
 Lab File ID: z4178287.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|---------------|---------|-------|---------|----------------|-----------------|------|-----------|
| Chrysene | Ave | 1.127 | 1.206 | 0.7000 | 26800 | 25000 | 7.0 | 30.0 |
| Di-n-octyl phthalate | Ave | 1.709 | 1.751 | 0.0100 | 25600 | 25000 | 2.4 | 30.0 |
| Benzo[b]fluoranthene | Ave | 1.295 | 1.329 | 0.7000 | 25700 | 25000 | 2.6 | 30.0 |
| Benzo[k]fluoranthene | Ave | 1.305 | 1.358 | 0.7000 | 26000 | 25000 | 4.1 | 30.0 |
| Benzo[a]pyrene | Ave | 1.199 | 1.223 | 0.7000 | 25500 | 25000 | 2.1 | 30.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 1.015 | 1.004 | 0.5000 | 24800 | 25000 | -1.0 | 30.0 |
| Dibenz(a,h)anthracene | Ave | 0.996 | 1.028 | 0.4000 | 25800 | 25000 | 3.3 | 30.0 |
| Benzo[g,h,i]perylene | Ave | 0.9898 | 1.010 | 0.5000 | 25500 | 25000 | 2.0 | 30.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178287.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 06-Apr-2016 19:18:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-018
 Operator ID: Instrument ID: CBNAMS11
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:08:03 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: bayoumiw

Date: 07-Apr-2016 00:05:09

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.863 | 1.857 | 0.006 | 91 | 77298 | 25.0 | 23.9 | |
| 2 N-Nitrosodimethylamine | 74 | 2.093 | 2.093 | 0.000 | 88 | 90171 | 25.0 | 20.9 | |
| 3 Pyridine | 79 | 2.134 | 2.128 | 0.006 | 96 | 192559 | 25.0 | 24.7 | |
| 7 Phenol | 94 | 4.210 | 4.216 | -0.006 | 97 | 201590 | 25.0 | 24.9 | |
| 8 Aniline | 93 | 4.251 | 4.245 | 0.006 | 100 | 240592 | 25.0 | 24.7 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.310 | 4.310 | 0.000 | 99 | 157887 | 25.0 | 24.6 | |
| 10 Benzonitrile | 103 | 4.328 | 4.334 | -0.006 | 0 | 304976 | NC | NC | |
| 11 2-Chlorophenol | 128 | 4.375 | 4.369 | 0.006 | 92 | 159154 | 25.0 | 25.3 | |
| 12 n-Decane | 43 | 4.422 | 4.416 | 0.006 | 83 | 152883 | 25.0 | 24.6 | |
| 13 1,3-Dichlorobenzene | 146 | 4.528 | 4.528 | 0.000 | 92 | 189598 | 25.0 | 25.7 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.587 | 4.581 | 0.006 | 97 | 190472 | 40.0 | 40.0 | |
| 15 1,4-Dichlorobenzene | 146 | 4.598 | 4.592 | 0.006 | 91 | 192167 | 25.0 | 25.4 | |
| 16 Benzyl alcohol | 108 | 4.710 | 4.710 | 0.000 | 89 | 103337 | 25.0 | 27.2 | |
| 17 1,2-Dichlorobenzene | 146 | 4.757 | 4.751 | 0.006 | 93 | 178282 | 25.0 | 25.5 | |
| 18 2-Methylphenol | 108 | 4.822 | 4.822 | 0.000 | 85 | 147870 | 25.0 | 26.5 | |
| 19 2,2'-oxybis[1-chloropropan | 45 | 4.851 | 4.851 | 0.000 | 85 | 149960 | 25.0 | 25.5 | |
| 20 N-Methylaniline | 106 | 4.975 | 4.969 | 0.006 | 0 | 250411 | NC | NC | |
| 24 4-Methylphenol | 108 | 4.981 | 4.981 | 0.000 | 82 | 165106 | 25.0 | 26.2 | |
| 22 Acetophenone | 105 | 4.987 | 4.981 | 0.006 | 91 | 224104 | 25.0 | 26.4 | |
| 23 3 & 4 Methylphenol | 108 | 4.981 | 4.981 | 0.000 | 88 | 165106 | 25.0 | 26.2 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.981 | 4.987 | -0.006 | 86 | 126556 | 25.0 | 27.1 | |
| 25 Hexachloroethane | 117 | 5.098 | 5.092 | 0.006 | 91 | 76728 | 25.0 | 25.5 | |
| 27 Nitrobenzene | 77 | 5.157 | 5.157 | 0.000 | 93 | 262644 | 25.0 | 25.7 | |
| 28 n,n'-Dimethylaniline | 120 | 5.163 | 5.157 | 0.006 | 94 | 245306 | 25.0 | 25.6 | |
| 31 Isophorone | 82 | 5.398 | 5.398 | 0.000 | 99 | 297137 | 25.0 | 27.2 | |
| 32 2-Nitrophenol | 139 | 5.481 | 5.475 | 0.006 | 85 | 82034 | 25.0 | 26.1 | |
| 33 2,4-Dimethylphenol | 122 | 5.516 | 5.516 | 0.000 | 86 | 122893 | 25.0 | 25.0 | |
| 34 Bis(2-chloroethoxy)methane | 93 | 5.610 | 5.610 | 0.000 | 99 | 179204 | 25.0 | 26.2 | |
| 35 Benzoic acid | 122 | 5.616 | 5.639 | -0.023 | 38 | 79467 | 25.0 | 27.9 | |
| 36 2,4-Dichlorophenol | 162 | 5.722 | 5.716 | 0.006 | 94 | 127391 | 25.0 | 26.4 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.810 | 5.804 | 0.006 | 94 | 148050 | 25.0 | 25.6 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| * 38 Naphthalene-d8 | 136 | 5.869 | 5.863 | 0.006 | 100 | 640754 | 40.0 | 40.0 | |
| 39 Naphthalene | 128 | 5.887 | 5.886 | 0.001 | 99 | 435589 | 25.0 | 26.0 | |
| 40 4-Chloroaniline | 127 | 5.940 | 5.934 | 0.006 | 94 | 169223 | 25.0 | 25.7 | |
| 41 Hexachlorobutadiene | 225 | 6.022 | 6.016 | 0.006 | 95 | 101448 | 25.0 | 26.5 | |
| 43 4-Chloro-3-methylphenol | 107 | 6.416 | 6.416 | 0.000 | 94 | 130725 | 25.0 | 27.0 | |
| 45 1-Methylnaphthalene | 142 | 6.581 | 6.581 | 0.000 | 93 | 271580 | 25.0 | 25.8 | |
| 44 2-Methylnaphthalene | 142 | 6.681 | 6.681 | 0.000 | 82 | 252036 | 25.0 | 27.7 | |
| 46 Hexachlorocyclopentadiene | 237 | 6.751 | 6.745 | 0.006 | 96 | 93360 | 25.0 | 22.9 | |
| 47 1,2,4,5-Tetrachlorobenzene | 216 | 6.757 | 6.751 | 0.006 | 98 | 155209 | 25.0 | 25.3 | |
| 48 2-tertbutyl-4-methylphenol | 149 | 6.775 | 6.775 | 0.000 | 90 | 209407 | 25.0 | 27.2 | |
| 49 2,4,6-Trichlorophenol | 196 | 6.863 | 6.857 | 0.006 | 90 | 96844 | 25.0 | 26.1 | |
| 50 2,4,5-Trichlorophenol | 196 | 6.898 | 6.892 | 0.006 | 97 | 98503 | 25.0 | 26.2 | |
| 52 1,1'-Biphenyl | 154 | 7.051 | 7.045 | 0.006 | 95 | 335876 | 25.0 | 25.1 | |
| 53 2-Chloronaphthalene | 162 | 7.069 | 7.069 | 0.000 | 97 | 267981 | 25.0 | 25.5 | |
| 54 Phenyl ether | 170 | 7.151 | 7.151 | 0.000 | 88 | 187042 | 25.0 | 25.9 | |
| 55 2-Nitroaniline | 65 | 7.169 | 7.163 | 0.006 | 94 | 106091 | 25.0 | 26.6 | |
| 57 1,3-Dimethylnaphthalene | 156 | 7.287 | 7.286 | 0.000 | 91 | 219250 | 25.0 | 26.5 | |
| 58 Dimethyl phthalate | 163 | 7.351 | 7.351 | 0.000 | 98 | 282007 | 25.0 | 26.6 | |
| 59 Coumarin | 146 | 7.375 | 7.375 | 0.000 | 69 | 85746 | 25.0 | 28.7 | |
| 60 2,6-Dinitrotoluene | 165 | 7.404 | 7.404 | 0.000 | 94 | 68460 | 25.0 | 27.9 | |
| 63 Acenaphthylene | 152 | 7.486 | 7.480 | 0.006 | 97 | 366824 | 25.0 | 24.7 | |
| 64 3-Nitroaniline | 138 | 7.575 | 7.575 | 0.000 | 91 | 64696 | 25.0 | 26.6 | |
| * 65 Acenaphthene-d10 | 164 | 7.628 | 7.622 | 0.006 | 93 | 344239 | 40.0 | 40.0 | |
| 66 3,5-di-tert-butyl-4-hydrox | 205 | 7.639 | 7.639 | 0.000 | 96 | 320520 | 25.0 | 26.5 | |
| 67 Acenaphthene | 154 | 7.657 | 7.657 | 0.000 | 95 | 288661 | 25.0 | 27.3 | |
| 68 2,4-Dinitrophenol | 184 | 7.675 | 7.675 | 0.000 | 72 | 93085 | 50.0 | 54.5 | |
| 69 4-Nitrophenol | 65 | 7.734 | 7.733 | 0.001 | 91 | 111963 | 50.0 | 55.7 | |
| 70 2,4-Dinitrotoluene | 165 | 7.804 | 7.804 | 0.000 | 92 | 86273 | 25.0 | 27.7 | |
| 71 Dibenzofuran | 168 | 7.828 | 7.828 | 0.000 | 96 | 357528 | 25.0 | 26.1 | |
| 72 2,3,4,6-Tetrachlorophenol | 232 | 7.945 | 7.945 | 0.000 | 94 | 84011 | 25.0 | 27.7 | |
| 73 Diethyl phthalate | 149 | 8.051 | 8.051 | 0.000 | 98 | 269039 | 25.0 | 27.3 | |
| 74 Fluorene | 166 | 8.169 | 8.163 | 0.006 | 95 | 297087 | 25.0 | 26.6 | |
| 75 4-Chlorophenyl phenyl ethe | 204 | 8.163 | 8.163 | 0.000 | 86 | 150204 | 25.0 | 26.9 | |
| 76 4-Nitroaniline | 138 | 8.181 | 8.186 | -0.005 | 89 | 62739 | 25.0 | 27.7 | |
| 77 4,6-Dinitro-2-methylphenol | 198 | 8.210 | 8.210 | 0.000 | 87 | 116628 | 50.0 | 54.0 | |
| 78 N-Nitrosodiphenylamine | 169 | 8.281 | 8.280 | 0.001 | 67 | 411856 | 42.5 | 49.1 | |
| 79 1,2-Diphenylhydrazine | 77 | 8.322 | 8.322 | 0.000 | 97 | 330394 | 25.0 | 25.8 | |
| 81 4-Bromophenyl phenyl ether | 248 | 8.645 | 8.645 | 0.000 | 89 | 90289 | 25.0 | 25.9 | |
| 82 Hexachlorobenzene | 284 | 8.722 | 8.716 | 0.006 | 97 | 83994 | 25.0 | 25.2 | |
| 84 Pentachlorophenol | 266 | 8.910 | 8.904 | 0.006 | 92 | 122257 | 50.0 | 56.5 | |
| 85 Pentachloronitrobenzene | 237 | 8.928 | 8.922 | 0.006 | 87 | 43613 | 25.0 | 28.4 | |
| 86 n-Octadecane | 57 | 8.981 | 8.975 | 0.006 | 91 | 178018 | 25.0 | 23.6 | |
| * 87 Phenanthrene-d10 | 188 | 9.098 | 9.092 | 0.006 | 99 | 542494 | 40.0 | 40.0 | |
| 88 Phenanthrene | 178 | 9.122 | 9.116 | 0.006 | 98 | 387503 | 25.0 | 24.5 | |
| 89 Anthracene | 178 | 9.169 | 9.169 | 0.000 | 98 | 403529 | 25.0 | 25.3 | |
| 90 Carbazole | 167 | 9.322 | 9.322 | 0.000 | 96 | 332156 | 25.0 | 25.4 | |
| 91 Di-n-butyl phthalate | 149 | 9.663 | 9.657 | 0.006 | 99 | 412604 | 25.0 | 26.0 | |
| 92 Fluoranthene | 202 | 10.298 | 10.298 | 0.000 | 98 | 401962 | 25.0 | 26.9 | |
| 93 Benzidine | 184 | 10.422 | 10.421 | 0.001 | 99 | 190550 | 25.0 | 23.8 | |
| 94 Pyrene | 202 | 10.533 | 10.533 | 0.000 | 98 | 400073 | 25.0 | 24.2 | |
| 95 Bisphenol-A | 213 | 10.563 | 10.563 | 0.000 | 99 | 178743 | 25.0 | 24.8 | |
| 97 Butyl benzyl phthalate | 149 | 11.233 | 11.227 | 0.006 | 98 | 162735 | 25.0 | 25.0 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 99 Carbamazepine | 193 | 11.363 | 11.363 | 0.000 | 92 | 143437 | 25.0 | 25.8 | |
| 100 3,3'-Dichlorobenzidine | 252 | 11.886 | 11.886 | 0.000 | 99 | 116742 | 25.0 | 25.3 | |
| 101 Benzo[a]anthracene | 228 | 11.922 | 11.921 | 0.001 | 97 | 353023 | 25.0 | 24.8 | |
| * 102 Chrysene-d12 | 240 | 11.939 | 11.933 | 0.006 | 99 | 444502 | 40.0 | 40.0 | |
| 104 Bis(2-ethylhexyl) phthalat | 149 | 11.951 | 11.951 | 0.000 | 89 | 223501 | 25.0 | 24.2 | |
| 103 Chrysene | 228 | 11.969 | 11.968 | 0.001 | 99 | 335098 | 25.0 | 26.8 | |
| 105 Di-n-octyl phthalate | 149 | 12.839 | 12.839 | 0.000 | 97 | 355716 | 25.0 | 25.6 | |
| 106 Benzo[b]fluoranthene | 252 | 13.380 | 13.380 | 0.000 | 98 | 269963 | 25.0 | 25.7 | |
| 107 Benzo[k]fluoranthene | 252 | 13.421 | 13.421 | 0.000 | 99 | 275957 | 25.0 | 26.0 | |
| 108 Benzo[a]pyrene | 252 | 13.839 | 13.839 | 0.000 | 98 | 248530 | 25.0 | 25.5 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 325066 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 15.557 | 15.556 | 0.001 | 99 | 204055 | 25.0 | 24.8 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.592 | 15.598 | -0.006 | 97 | 208893 | 25.0 | 25.8 | |
| 112 Benzo[g,h,i]perylene | 276 | 16.021 | 16.021 | 0.000 | 98 | 205135 | 25.0 | 25.5 | |

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ICV-long_00010

Amount Added: 1.00

Units: mL

Operator ID:

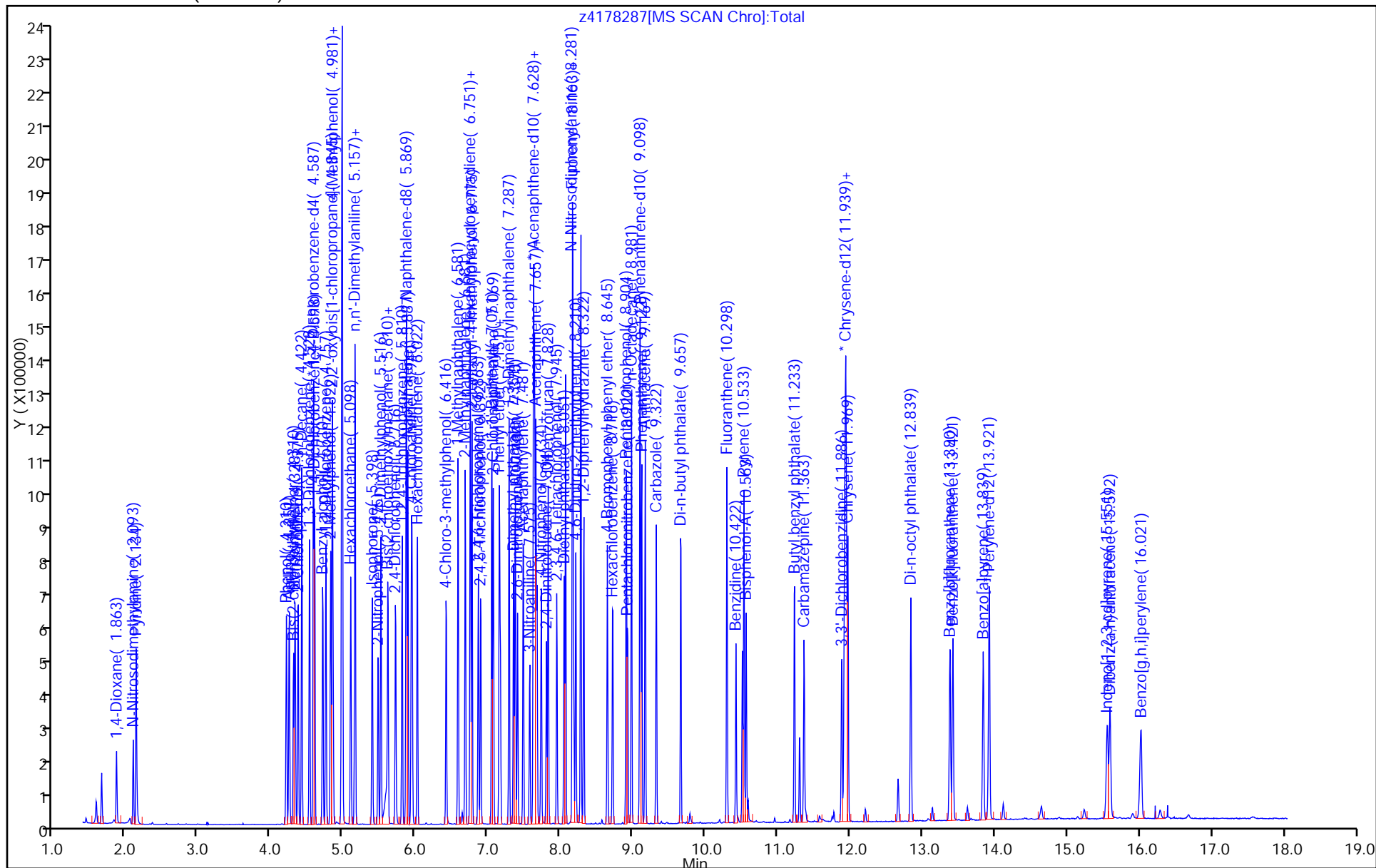
Worklist Smp#: 18

Client ID:

ALS Bottle#: 18

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab Sample ID: ICV 460-361066/19 Calibration Date: 04/06/2016 19:42
Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 16:29
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 18:54
Lab File ID: z4178288.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Benzaldehyde | Ave | 1.297 | 1.630 | 0.0100 | 31400 | 25000 | 25.7 | 30.0 |
| Caprolactam | Ave | 0.0884 | 0.1207 | 0.0100 | 34200 | 25000 | 36.6* | 30.0 |
| Atrazine | Ave | 0.2342 | 0.2828 | 0.0100 | 30200 | 25000 | 20.7 | 30.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178288.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 06-Apr-2016 19:42:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-019
 Operator ID: Instrument ID: CBNAMS11
 Sublist:

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:08:03 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.140 | 4.145 | -0.005 | 94 | 160342 | 25.0 | 31.4 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.581 | 4.581 | 0.000 | 97 | 157345 | 40.0 | 40.0 | |
| * 38 Naphthalene-d8 | 136 | 5.863 | 5.863 | 0.000 | 100 | 555752 | 40.0 | 40.0 | |
| 42 Caprolactam | 113 | 6.257 | 6.269 | -0.012 | 92 | 41933 | 25.0 | 34.2 | |
| * 65 Acenaphthene-d10 | 164 | 7.622 | 7.622 | 0.000 | 93 | 296294 | 40.0 | 40.0 | |
| 83 Atrazine | 200 | 8.798 | 8.804 | -0.006 | 94 | 84154 | 25.0 | 30.2 | |
| * 87 Phenanthrene-d10 | 188 | 9.092 | 9.092 | 0.000 | 99 | 476202 | 40.0 | 40.0 | |
| * 102 Chrysene-d12 | 240 | 11.933 | 11.933 | 0.000 | 100 | 384467 | 40.0 | 40.0 | |
| * 109 Perylene-d12 | 264 | 13.921 | 13.921 | 0.000 | 99 | 300328 | 40.0 | 40.0 | |

Reagents:

SM_ICV-short_00009

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178288.D

Injection Date: 06-Apr-2016 19:42:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: icv

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

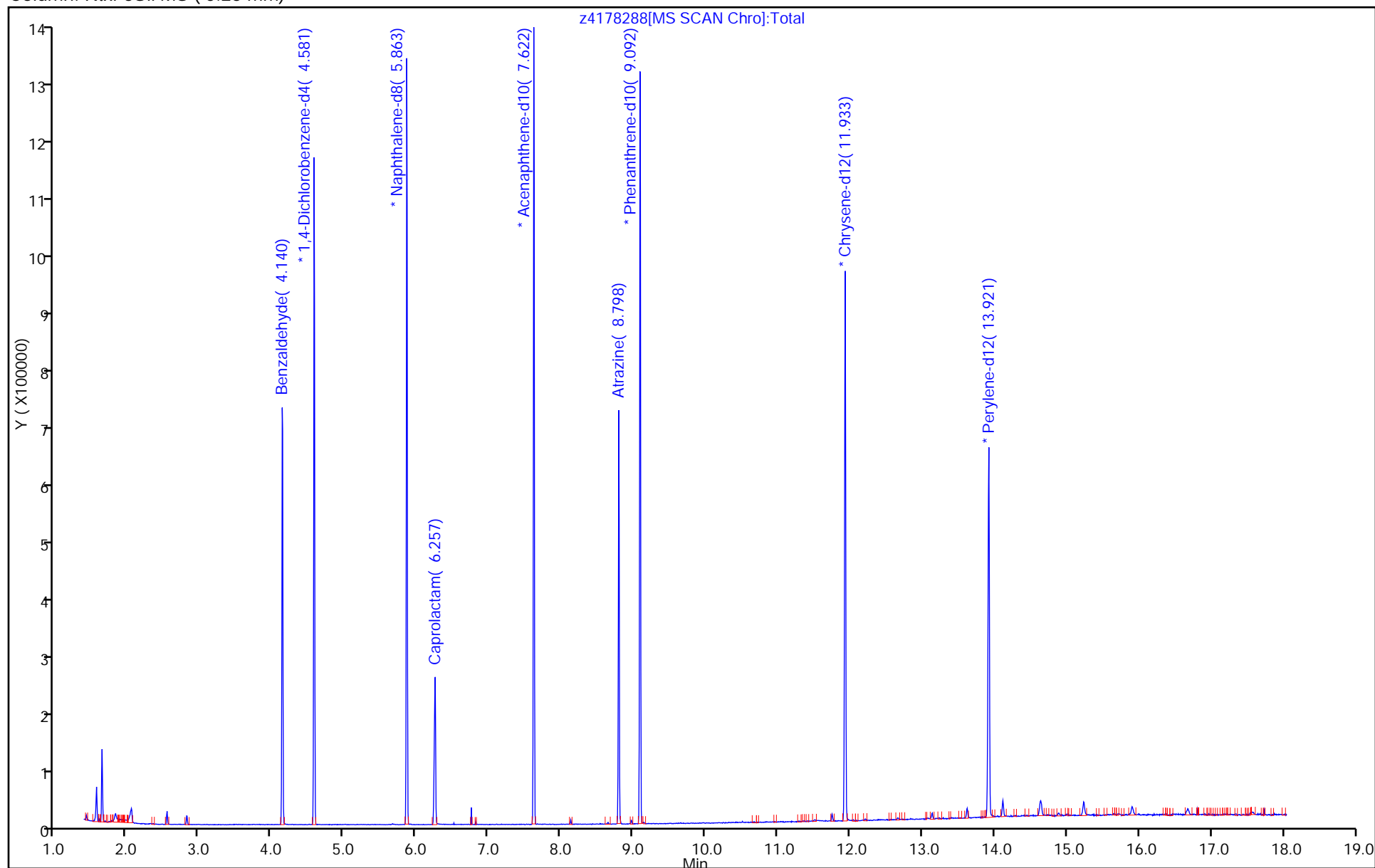
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Lab Sample ID: CCVIS 460-362008/2 Calibration Date: 04/12/2016 06:42

Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 12:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 16:05

Lab File ID: z4178484.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|------------|---------|--------|---------|-------------|--------------|--------|--------|
| 1,4-Dioxane | Ave | 0.6784 | 0.5624 | 0.0100 | 41500 | 50000 | -17.1 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.9042 | 0.7440 | | 41100 | 50000 | -17.7 | 20.0 |
| Pyridine | Ave | 1.636 | 1.318 | | 40300 | 50000 | -19.4 | 20.0 |
| Phenol | Ave | 1.700 | 1.646 | 0.8000 | 48400 | 50000 | -3.2 | 20.0 |
| Aniline | Ave | 2.043 | 1.264 | | 30900 | 50000 | -38.1* | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.349 | 1.264 | 0.7000 | 46900 | 50000 | -6.3 | 20.0 |
| 2-Chlorophenol | Ave | 1.319 | 1.340 | 0.8000 | 50800 | 50000 | 1.6 | 20.0 |
| n-Decane | Ave | 1.308 | 2.210 | 0.0100 | 84500 | 50000 | 69.0* | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.552 | 1.523 | | 49100 | 50000 | -1.8 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.590 | 1.550 | | 48700 | 50000 | -2.5 | 20.0 |
| Benzyl alcohol | Ave | 0.7977 | 0.7620 | 0.0100 | 47800 | 50000 | -4.5 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.468 | 1.418 | | 48300 | 50000 | -3.4 | 20.0 |
| 2-Methylphenol | Ave | 1.173 | 1.081 | 0.7000 | 46100 | 50000 | -7.8 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | Ave | 1.236 | 2.412 | 0.0100 | 97600 | 50000 | 95.2* | 20.0 |
| Acetophenone | Ave | 1.780 | 1.589 | 0.0100 | 44600 | 50000 | -10.8 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.9811 | 0.8021 | 0.5000 | 40900 | 50000 | -18.2 | 20.0 |
| 3 & 4 Methylphenol | Ave | 1.323 | 1.209 | | 45700 | 50000 | -8.6 | 20.0 |
| 4-Methylphenol | Ave | 1.323 | 1.209 | 0.6000 | 45700 | 50000 | -8.6 | 20.0 |
| Hexachloroethane | Ave | 0.6323 | 0.6099 | 0.3000 | 48200 | 50000 | -3.5 | 20.0 |
| n,n'-Dimethylaniline | Ave | 2.014 | 1.931 | 0.0100 | 47900 | 50000 | -4.1 | 20.0 |
| Nitrobenzene | Ave | 0.6381 | 0.5143 | 0.2000 | 40300 | 50000 | -19.4 | 20.0 |
| Isophorone | Ave | 0.6808 | 0.5388 | 0.4000 | 39600 | 50000 | -20.9* | 20.0 |
| 2-Nitrophenol | Ave | 0.1962 | 0.1831 | 0.1000 | 46700 | 50000 | -6.7 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3074 | 0.2936 | 0.2000 | 47800 | 50000 | -4.5 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.4273 | 0.3596 | 0.3000 | 42100 | 50000 | -15.8 | 20.0 |
| Benzoic acid | Ave | 0.1781 | 0.1376 | | 38600 | 50000 | -22.7* | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.3015 | 0.2857 | 0.2000 | 47400 | 50000 | -5.2 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3606 | 0.3505 | | 48600 | 50000 | -2.8 | 20.0 |
| Naphthalene | Ave | 1.046 | 0.999 | 0.7000 | 47700 | 50000 | -4.5 | 20.0 |
| 4-Chloroaniline | Ave | 0.4118 | 0.3862 | 0.0100 | 46900 | 50000 | -6.2 | 20.0 |
| Hexachlorobutadiene | Ave | 0.2390 | 0.2245 | 0.0100 | 47000 | 50000 | -6.1 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.3019 | 0.2449 | | 40600 | 50000 | -18.9 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.5687 | 0.6404 | 0.4000 | 56300 | 50000 | 12.6 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6562 | 0.5434 | 0.0100 | 41400 | 50000 | -17.2 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.4732 | 0.4717 | 0.0500 | 49800 | 50000 | -0.3 | 20.0 |
| 1,2,4,5-Tetrachlorobenzene | Ave | 0.7124 | 0.7211 | 0.0100 | 50600 | 50000 | 1.2 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4797 | 0.4333 | 0.0100 | 45200 | 50000 | -9.7 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.4311 | 0.4113 | 0.2000 | 47700 | 50000 | -4.6 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.4362 | 0.4303 | 0.2000 | 49300 | 50000 | -1.3 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.553 | 1.644 | 0.0100 | 52900 | 50000 | 5.9 | 20.0 |
| 2-Chloronaphthalene | Ave | 1.222 | 1.231 | 0.8000 | 50300 | 50000 | 0.7 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Lab Sample ID: CCVIS 460-362008/2 Calibration Date: 04/12/2016 06:42

Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 12:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 16:05

Lab File ID: z4178484.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------|------------|---------|--------|---------|-------------|--------------|--------|--------|
| Phenyl ether | Ave | 0.8389 | 0.8482 | 0.0100 | 50600 | 50000 | 1.1 | 20.0 |
| 2-Nitroaniline | Ave | 0.4630 | 0.3665 | 0.0100 | 39600 | 50000 | -20.8* | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 0.9621 | 1.051 | 0.0100 | 54600 | 50000 | 9.2 | 20.0 |
| Dimethyl phthalate | Ave | 1.234 | 1.125 | 0.0100 | 45600 | 50000 | -8.8 | 20.0 |
| Coumarin | Ave | 0.1867 | 0.1555 | 0.0100 | 41600 | 50000 | -16.7 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2853 | 0.2661 | 0.2000 | 46600 | 50000 | -6.7 | 20.0 |
| Acenaphthylene | Ave | 1.726 | 1.637 | 0.9000 | 47400 | 50000 | -5.1 | 20.0 |
| 3-Nitroaniline | Ave | 0.2821 | 0.2559 | 0.0100 | 45300 | 50000 | -9.3 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.405 | 1.340 | 0.0100 | 47700 | 50000 | -4.6 | 20.0 |
| Acenaphthene | Ave | 1.227 | 1.132 | 0.9000 | 46100 | 50000 | -7.7 | 20.0 |
| 2,4-Dinitrophenol | Lin2 | | 0.1347 | 0.0100 | 67600 | 100000 | -32.4* | 20.0 |
| 4-Nitrophenol | Ave | 0.2335 | 0.1748 | 0.0100 | 74800 | 100000 | -25.2* | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3620 | 0.3196 | 0.2000 | 44100 | 50000 | -11.7 | 20.0 |
| Dibenzofuran | Ave | 1.593 | 1.534 | 0.8000 | 48200 | 50000 | -3.7 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | Ave | 0.3527 | 0.3102 | 0.0100 | 44000 | 50000 | -12.1 | 20.0 |
| Diethyl phthalate | Ave | 1.147 | 1.003 | 0.0100 | 43700 | 50000 | -12.5 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.6499 | 0.6378 | 0.4000 | 49100 | 50000 | -1.8 | 20.0 |
| Fluorene | Ave | 1.298 | 1.228 | 0.9000 | 47300 | 50000 | -5.4 | 20.0 |
| 4-Nitroaniline | Ave | 0.2633 | 0.2181 | 0.0100 | 41400 | 50000 | -17.2 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1594 | 0.1279 | 0.0100 | 80200 | 100000 | -19.8 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6189 | 0.6279 | 0.0100 | 101000 | 100000 | 1.5 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 0.9457 | 0.8157 | 0.0100 | 43100 | 50000 | -13.7 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2572 | 0.2690 | 0.1000 | 52300 | 50000 | 4.6 | 20.0 |
| Hexachlorobenzene | Ave | 0.2453 | 0.2928 | 0.1000 | 59700 | 50000 | 19.4 | 20.0 |
| Pentachlorophenol | Ave | 0.1595 | 0.1365 | 0.0500 | 85600 | 100000 | -14.4 | 20.0 |
| Pentachloronitrobenzene | Ave | 0.1133 | 0.1135 | 0.0100 | 50100 | 50000 | 0.2 | 20.0 |
| n-Octadecane | Ave | 0.5568 | 0.8572 | 0.0100 | 77000 | 50000 | 53.9* | 20.0 |
| Phenanthrene | Ave | 1.168 | 1.135 | 0.7000 | 48600 | 50000 | -2.8 | 20.0 |
| Anthracene | Ave | 1.178 | 1.144 | 0.7000 | 48600 | 50000 | -2.9 | 20.0 |
| Carbazole | Ave | 0.9641 | 0.8316 | 0.0100 | 43100 | 50000 | -13.7 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.170 | 0.999 | 0.0100 | 42700 | 50000 | -14.6 | 20.0 |
| Fluoranthene | Ave | 1.101 | 0.9370 | 0.6000 | 42600 | 50000 | -14.9 | 20.0 |
| Benzidine | Ave | 0.5901 | 0.3021 | | 25600 | 50000 | -48.8* | 20.0 |
| Pyrene | Ave | 1.489 | 1.892 | 0.6000 | 63500 | 50000 | 27.0* | 20.0 |
| Bisphenol-A | Ave | 0.6477 | 0.4577 | | 35300 | 50000 | -29.3* | 20.0 |
| Butyl benzyl phthalate | Ave | 0.5850 | 0.5747 | 0.0100 | 49100 | 50000 | -1.8 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1372 | 0.1409 | 0.0100 | 514 | 500 | 2.7 | 20.0 |
| Carbamazepine | Ave | 0.4995 | 0.2841 | 0.0100 | 28400 | 50000 | -43.1* | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.4150 | 0.4175 | 0.0100 | 50300 | 50000 | 0.6 | 20.0 |
| Benzo[a]anthracene | Ave | 1.282 | 1.186 | 0.8000 | 46200 | 50000 | -7.5 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-362008/2 Calibration Date: 04/12/2016 06:42
 Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 12:45
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 16:05
 Lab File ID: z4178484.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Bis(2-ethylhexyl) phthalate | Ave | 0.8325 | 0.7965 | 0.0100 | 47800 | 50000 | -4.3 | 20.0 |
| Chrysene | Ave | 1.127 | 1.042 | 0.7000 | 46200 | 50000 | -7.5 | 20.0 |
| Di-n-octyl phthalate | Ave | 1.709 | 1.555 | 0.0100 | 45500 | 50000 | -9.0 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.295 | 1.271 | 0.7000 | 49100 | 50000 | -1.9 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.305 | 1.243 | 0.7000 | 47600 | 50000 | -4.7 | 20.0 |
| Benzo[a]pyrene | Ave | 1.199 | 1.141 | 0.7000 | 47600 | 50000 | -4.8 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 1.015 | 1.042 | 0.5000 | 51400 | 50000 | 2.7 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.996 | 1.026 | 0.4000 | 51500 | 50000 | 3.0 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.9898 | 0.9807 | 0.5000 | 49500 | 50000 | -0.9 | 20.0 |
| 2-Fluorophenol (Surr) | Ave | 1.420 | 1.419 | 0.0100 | 50000 | 50000 | -0.0 | 20.0 |
| Phenol-d5 (Surr) | Ave | 1.723 | 1.577 | 0.0100 | 45800 | 50000 | -8.5 | 20.0 |
| Nitrobenzene-d5 (Surr) | Ave | 0.4717 | 0.3920 | 0.0100 | 41500 | 50000 | -16.9 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.503 | 1.606 | 0.0100 | 53400 | 50000 | 6.9 | 20.0 |
| 2,4,6-Tribromophenol (Surr) | Ave | 0.1717 | 0.1941 | 0.0100 | 56500 | 50000 | 13.1 | 20.0 |
| Terphenyl-d14 (Surr) | Ave | 1.116 | 1.442 | 0.0100 | 64600 | 50000 | 29.2* | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178484.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 12-Apr-2016 06:42:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039738-002
 Misc. Info.: ccvis
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:32:29 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: manlangitf

Date: 12-Apr-2016 07:26:22

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 1 1,4-Dioxane | 88 | 1.675 | 1.675 | 0.000 | 90 | 178173 | 50.0 | 41.5 | |
| 2 N-Nitrosodimethylamine | 74 | 1.904 | 1.904 | 0.000 | 71 | 235703 | 50.0 | 41.1 | |
| 3 Pyridine | 79 | 1.934 | 1.934 | 0.000 | 73 | 417577 | 50.0 | 40.3 | |
| \$ 4 2-Fluorophenol | 112 | 3.040 | 3.040 | 0.000 | 90 | 449465 | 50.0 | 50.0 | |
| \$ 6 Phenol-d5 | 99 | 3.969 | 3.969 | 0.000 | 93 | 499456 | 50.0 | 45.8 | |
| 7 Phenol | 94 | 3.981 | 3.981 | 0.000 | 94 | 521285 | 50.0 | 48.4 | |
| 8 Aniline | 93 | 4.063 | 4.063 | 0.000 | 78 | 400502 | 50.0 | 30.9 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.063 | 4.063 | 0.000 | 90 | 400502 | 50.0 | 46.9 | |
| 10 Benzonitrile | 103 | 4.110 | 4.110 | 0.000 | 0 | 5106 | NC | NC | |
| 11 2-Chlorophenol | 128 | 4.116 | 4.116 | 0.000 | 92 | 424522 | 50.0 | 50.8 | |
| 12 n-Decane | 43 | 4.169 | 4.169 | 0.000 | 92 | 700058 | 50.0 | 84.5 | |
| 13 1,3-Dichlorobenzene | 146 | 4.269 | 4.269 | 0.000 | 93 | 482609 | 50.0 | 49.1 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.322 | 4.322 | 0.000 | 97 | 253429 | 40.0 | 40.0 | |
| 15 1,4-Dichlorobenzene | 146 | 4.340 | 4.340 | 0.000 | 92 | 491030 | 50.0 | 48.7 | |
| 16 Benzyl alcohol | 108 | 4.469 | 4.469 | 0.000 | 91 | 241386 | 50.0 | 47.8 | |
| 17 1,2-Dichlorobenzene | 146 | 4.492 | 4.492 | 0.000 | 94 | 449081 | 50.0 | 48.3 | |
| 18 2-Methylphenol | 108 | 4.581 | 4.581 | 0.000 | 87 | 342585 | 50.0 | 46.1 | |
| 19 2,2'-oxybis[1-chloropropan | 45 | 4.598 | 4.598 | 0.000 | 92 | 764134 | 50.0 | 97.6 | |
| 22 Acetophenone | 105 | 4.740 | 4.740 | 0.000 | 95 | 503352 | 50.0 | 44.6 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.740 | 4.740 | 0.000 | 93 | 254090 | 50.0 | 40.9 | |
| 24 4-Methylphenol | 108 | 4.745 | 4.745 | 0.000 | 91 | 383030 | 50.0 | 45.7 | |
| 23 3 & 4 Methylphenol | 108 | 4.745 | 4.745 | 0.000 | 90 | 383030 | 50.0 | 45.7 | |
| 25 Hexachloroethane | 117 | 4.834 | 4.834 | 0.000 | 92 | 193202 | 50.0 | 48.2 | |
| \$ 26 Nitrobenzene-d5 | 82 | 4.887 | 4.887 | 0.000 | 95 | 421816 | 50.0 | 41.5 | |
| 27 Nitrobenzene | 77 | 4.910 | 4.910 | 0.000 | 78 | 553455 | 50.0 | 40.3 | |
| 28 n,n'-Dimethylaniline | 120 | 4.910 | 4.910 | 0.000 | 88 | 611619 | 50.0 | 47.9 | |
| 31 Isophorone | 82 | 5.151 | 5.151 | 0.000 | 97 | 579855 | 50.0 | 39.6 | |
| 32 2-Nitrophenol | 139 | 5.222 | 5.222 | 0.000 | 84 | 197062 | 50.0 | 46.7 | |
| 33 2,4-Dimethylphenol | 122 | 5.275 | 5.275 | 0.000 | 90 | 315981 | 50.0 | 47.8 | |
| 34 Bis(2-chloroethoxy)methane | 93 | 5.363 | 5.363 | 0.000 | 94 | 387011 | 50.0 | 42.1 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 Benzoic acid | 122 | 5.428 | 5.428 | 0.000 | 91 | 148112 | 50.0 | 38.6 | |
| 36 2,4-Dichlorophenol | 162 | 5.469 | 5.469 | 0.000 | 93 | 307458 | 50.0 | 47.4 | |
| 37 1,2,4-Trichlorobenzene | 180 | 5.551 | 5.551 | 0.000 | 94 | 377153 | 50.0 | 48.6 | |
| * 38 Naphthalene-d8 | 136 | 5.604 | 5.604 | 0.000 | 99 | 860927 | 40.0 | 40.0 | |
| 39 Naphthalene | 128 | 5.628 | 5.628 | 0.000 | 99 | 1075233 | 50.0 | 47.7 | |
| 40 4-Chloroaniline | 127 | 5.687 | 5.687 | 0.000 | 95 | 415648 | 50.0 | 46.9 | |
| 41 Hexachlorobutadiene | 225 | 5.757 | 5.757 | 0.000 | 96 | 241574 | 50.0 | 47.0 | |
| 43 4-Chloro-3-methylphenol | 107 | 6.175 | 6.175 | 0.000 | 97 | 263532 | 50.0 | 40.6 | |
| 44 2-Methylnaphthalene | 142 | 6.322 | 6.322 | 0.000 | 85 | 689208 | 50.0 | 56.3 | |
| 45 1-Methylnaphthalene | 142 | 6.416 | 6.416 | 0.000 | 93 | 584778 | 50.0 | 41.4 | |
| 46 Hexachlorocyclopentadiene | 237 | 6.486 | 6.486 | 0.000 | 97 | 229504 | 50.0 | 49.8 | |
| 47 1,2,4,5-Tetrachlorobenzene | 216 | 6.492 | 6.492 | 0.000 | 98 | 350856 | 50.0 | 50.6 | |
| 48 2-tertbutyl-4-methylphenol | 149 | 6.528 | 6.528 | 0.000 | 91 | 466264 | 50.0 | 45.2 | |
| 49 2,4,6-Trichlorophenol | 196 | 6.604 | 6.604 | 0.000 | 89 | 200098 | 50.0 | 47.7 | |
| 50 2,4,5-Trichlorophenol | 196 | 6.639 | 6.639 | 0.000 | 96 | 209384 | 50.0 | 49.3 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.686 | 6.686 | 0.000 | 98 | 781600 | 50.0 | 53.4 | |
| 52 1,1'-Biphenyl | 154 | 6.786 | 6.786 | 0.000 | 95 | 800076 | 50.0 | 52.9 | |
| 53 2-Chloronaphthalene | 162 | 6.804 | 6.804 | 0.000 | 97 | 598768 | 50.0 | 50.3 | |
| 54 Phenyl ether | 170 | 6.892 | 6.892 | 0.000 | 87 | 412697 | 50.0 | 50.6 | |
| 55 2-Nitroaniline | 65 | 6.910 | 6.910 | 0.000 | 95 | 178330 | 50.0 | 39.6 | |
| 57 1,3-Dimethylnaphthalene | 156 | 7.022 | 7.022 | 0.000 | 93 | 511366 | 50.0 | 54.6 | |
| 58 Dimethyl phthalate | 163 | 7.098 | 7.098 | 0.000 | 99 | 547437 | 50.0 | 45.6 | |
| 59 Coumarin | 146 | 7.116 | 7.116 | 0.000 | 76 | 167372 | 50.0 | 41.6 | |
| 60 2,6-Dinitrotoluene | 165 | 7.151 | 7.151 | 0.000 | 93 | 129484 | 50.0 | 46.6 | |
| 63 Acenaphthylene | 152 | 7.216 | 7.216 | 0.000 | 97 | 796736 | 50.0 | 47.4 | |
| 64 3-Nitroaniline | 138 | 7.316 | 7.316 | 0.000 | 91 | 124486 | 50.0 | 45.3 | |
| * 65 Acenaphthene-d10 | 164 | 7.357 | 7.357 | 0.000 | 92 | 389248 | 40.0 | 40.0 | |
| 66 3,5-di-tert-butyl-4-hydrox | 205 | 7.386 | 7.386 | 0.000 | 97 | 652030 | 50.0 | 47.7 | |
| 67 Acenaphthene | 154 | 7.386 | 7.386 | 0.000 | 93 | 550878 | 50.0 | 46.1 | |
| 68 2,4-Dinitrophenol | 184 | 7.422 | 7.422 | 0.000 | 94 | 131122 | 100.0 | 67.6 | |
| 69 4-Nitrophenol | 65 | 7.492 | 7.492 | 0.000 | 93 | 170074 | 100.0 | 74.8 | |
| 70 2,4-Dinitrotoluene | 165 | 7.551 | 7.551 | 0.000 | 96 | 155503 | 50.0 | 44.1 | |
| 71 Dibenzofuran | 168 | 7.557 | 7.557 | 0.000 | 95 | 746391 | 50.0 | 48.2 | |
| 72 2,3,4,6-Tetrachlorophenol | 232 | 7.681 | 7.681 | 0.000 | 95 | 150926 | 50.0 | 44.0 | |
| 73 Diethyl phthalate | 149 | 7.792 | 7.792 | 0.000 | 98 | 488131 | 50.0 | 43.7 | |
| 74 Fluorene | 166 | 7.898 | 7.898 | 0.000 | 94 | 597458 | 50.0 | 47.3 | |
| 75 4-Chlorophenyl phenyl ethe | 204 | 7.898 | 7.898 | 0.000 | 79 | 310345 | 50.0 | 49.1 | |
| 76 4-Nitroaniline | 138 | 7.928 | 7.928 | 0.000 | 92 | 106107 | 50.0 | 41.4 | |
| 77 4,6-Dinitro-2-methylphenol | 198 | 7.957 | 7.957 | 0.000 | 87 | 159561 | 100.0 | 80.2 | |
| 78 N-Nitrosodiphenylamine | 169 | 8.022 | 8.022 | 0.000 | 68 | 783552 | 100.0 | 101.5 | |
| 79 1,2-Diphenylhydrazine | 77 | 8.057 | 8.057 | 0.000 | 98 | 508993 | 50.0 | 43.1 | |
| \$ 80 2,4,6-Tribromophenol | 330 | 8.133 | 8.133 | 0.000 | 96 | 94431 | 50.0 | 56.5 | |
| 81 4-Bromophenyl phenyl ether | 248 | 8.375 | 8.375 | 0.000 | 90 | 167864 | 50.0 | 52.3 | |
| 82 Hexachlorobenzene | 284 | 8.445 | 8.445 | 0.000 | 96 | 182708 | 50.0 | 59.7 | |
| 84 Pentachlorophenol | 266 | 8.633 | 8.633 | 0.000 | 94 | 170288 | 100.0 | 85.6 | |
| 85 Pentachloronitrobenzene | 237 | 8.651 | 8.651 | 0.000 | 88 | 70826 | 50.0 | 50.1 | |
| 86 n-Octadecane | 57 | 8.722 | 8.722 | 0.000 | 90 | 534841 | 50.0 | 77.0 | |
| * 87 Phenanthrene-d10 | 188 | 8.816 | 8.816 | 0.000 | 98 | 499171 | 40.0 | 40.0 | |
| 88 Phenanthrene | 178 | 8.839 | 8.839 | 0.000 | 97 | 708219 | 50.0 | 48.6 | |
| 89 Anthracene | 178 | 8.892 | 8.892 | 0.000 | 99 | 713949 | 50.0 | 48.6 | |
| 90 Carbazole | 167 | 9.045 | 9.045 | 0.000 | 96 | 518883 | 50.0 | 43.1 | |
| 91 Di-n-butyl phthalate | 149 | 9.392 | 9.392 | 0.000 | 100 | 623390 | 50.0 | 42.7 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 92 Fluoranthene | 202 | 10.004 | 10.004 | 0.000 | 98 | 584624 | 50.0 | 42.6 | |
| 93 Benzidine | 184 | 10.133 | 10.133 | 0.000 | 99 | 188517 | 50.0 | 25.6 | |
| 94 Pyrene | 202 | 10.227 | 10.227 | 0.000 | 98 | 573330 | 50.0 | 63.5 | |
| 95 Bisphenol-A | 213 | 10.274 | 10.274 | 0.000 | 99 | 138731 | 50.0 | 35.3 | |
| \$ 96 Terphenyl-d14 | 244 | 10.386 | 10.386 | 0.000 | 99 | 437019 | 50.0 | 64.6 | |
| 97 Butyl benzyl phthalate | 149 | 10.910 | 10.910 | 0.000 | 98 | 174177 | 50.0 | 49.1 | |
| 98 2,3,7,8-TCDD | 320 | 11.016 | 11.016 | 0.000 | 86 | 427 | 0.5000 | 0.5136 | |
| 99 Carbamazepine | 193 | 11.027 | 11.027 | 0.000 | 91 | 86110 | 50.0 | 28.4 | |
| 100 3,3'-Dichlorobenzidine | 252 | 11.521 | 11.521 | 0.000 | 98 | 126547 | 50.0 | 50.3 | |
| 101 Benzo[a]anthracene | 228 | 11.551 | 11.551 | 0.000 | 98 | 359513 | 50.0 | 46.2 | |
| * 102 Chrysene-d12 | 240 | 11.563 | 11.563 | 0.000 | 99 | 242460 | 40.0 | 40.0 | |
| 104 Bis(2-ethylhexyl) phthalat | 149 | 11.598 | 11.598 | 0.000 | 90 | 241407 | 50.0 | 47.8 | |
| 103 Chrysene | 228 | 11.598 | 11.598 | 0.000 | 99 | 315855 | 50.0 | 46.2 | |
| 105 Di-n-octyl phthalate | 149 | 12.451 | 12.451 | 0.000 | 98 | 338462 | 50.0 | 45.5 | |
| 106 Benzo[b]fluoranthene | 252 | 12.951 | 12.951 | 0.000 | 98 | 276633 | 50.0 | 49.1 | |
| 107 Benzo[k]fluoranthene | 252 | 12.986 | 12.986 | 0.000 | 99 | 270707 | 50.0 | 47.6 | |
| 108 Benzo[a]pyrene | 252 | 13.392 | 13.392 | 0.000 | 98 | 248483 | 50.0 | 47.6 | |
| * 109 Perylene-d12 | 264 | 13.468 | 13.468 | 0.000 | 99 | 174183 | 40.0 | 40.0 | |
| 110 Indeno[1,2,3-cd]pyrene | 276 | 14.968 | 14.968 | 0.000 | 99 | 226948 | 50.0 | 51.4 | |
| 111 Dibenz(a,h)anthracene | 278 | 15.004 | 15.004 | 0.000 | 98 | 223335 | 50.0 | 51.5 | |
| 112 Benzo[g,h,i]perylene | 276 | 15.380 | 15.380 | 0.000 | 98 | 213527 | 50.0 | 49.5 | |

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

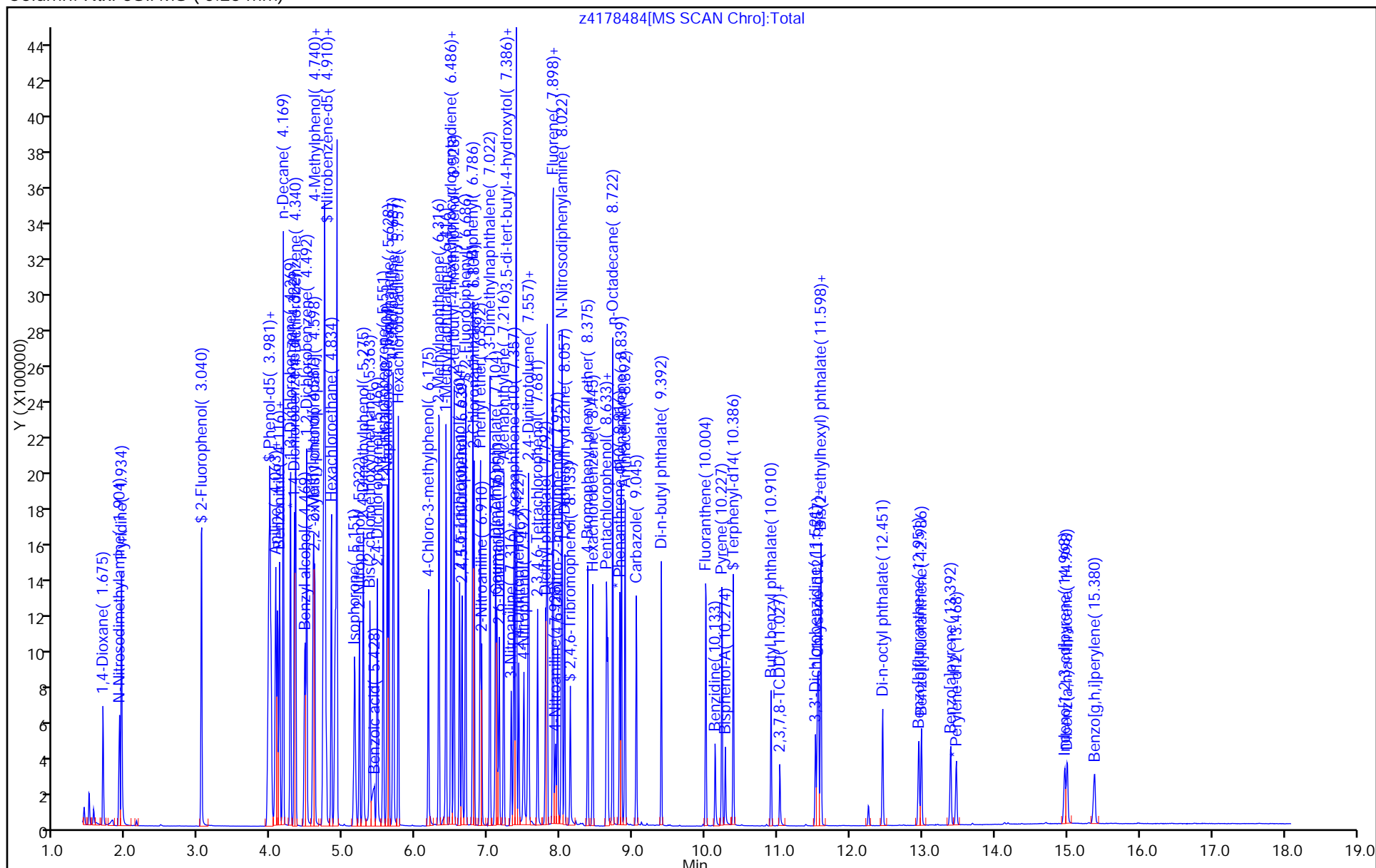
SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

| | | | |
|-----------------|--|----------------|---------------|
| Data File: | \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160412-39738.b\\z4178484.D | | |
| Injection Date: | 12-Apr-2016 06:42:30 | Instrument ID: | CBNAMS11 |
| Lims ID: | ccvis | | |
| Client ID: | | | |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 |
| Method: | 8270_11R_9 | Limit Group: | SV 8270D ICAL |
| Column: | Rtxi-5Sil MS (0.25 mm) | | |

ALS Bottle#: 2



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab Sample ID: CCV 460-362008/3 Calibration Date: 04/12/2016 07:11
Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 16:29
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 18:54
Lab File ID: z4178485.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------|---------------|---------|--------|---------|----------------|-----------------|--------|-----------|
| Benzaldehyde | Ave | 1.297 | 1.147 | 0.0100 | 44200 | 50000 | -11.6 | 20.0 |
| Caprolactam | Ave | 0.0884 | 0.0680 | 0.0100 | 38500 | 50000 | -23.0* | 20.0 |
| Atrazine | Ave | 0.2342 | 0.2073 | 0.0100 | 44300 | 50000 | -11.5 | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178485.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 12-Apr-2016 07:11:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039738-003
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:32:41 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: manlangitf

Date: 12-Apr-2016 07:45:06

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 3.875 | 3.875 | 0.000 | 86 | 351127 | 50.0 | 44.2 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.316 | 4.316 | 0.000 | 97 | 244949 | 40.0 | 40.0 | |
| * 38 Naphthalene-d8 | 136 | 5.598 | 5.598 | 0.000 | 100 | 887898 | 40.0 | 40.0 | |
| 42 Caprolactam | 113 | 6.016 | 6.016 | 0.000 | 86 | 75483 | 50.0 | 38.5 | |
| * 65 Acenaphthene-d10 | 164 | 7.351 | 7.351 | 0.000 | 93 | 431962 | 40.0 | 40.0 | |
| 83 Atrazine | 200 | 8.539 | 8.539 | 0.000 | 88 | 151283 | 50.0 | 44.3 | |
| * 87 Phenanthrene-d10 | 188 | 8.816 | 8.816 | 0.000 | 98 | 583720 | 40.0 | 40.0 | |
| * 102 Chrysene-d12 | 240 | 11.563 | 11.563 | 0.000 | 99 | 314041 | 40.0 | 40.0 | |
| * 109 Perylene-d12 | 264 | 13.469 | 13.469 | 0.000 | 99 | 198743 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160412-39738.b\\z4178485.D

Injection Date: 12-Apr-2016 07:11:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

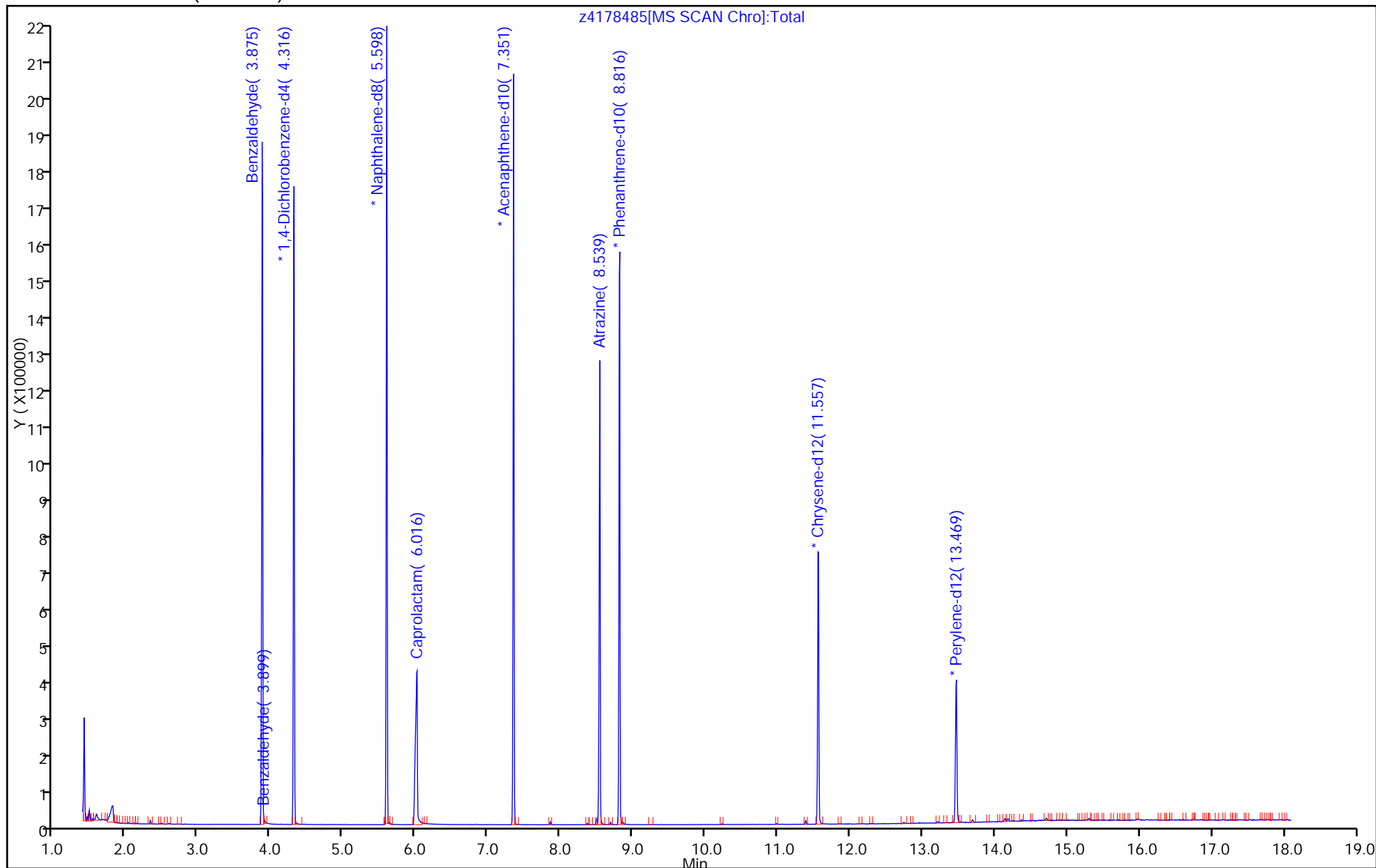
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Lab Sample ID: ICV 460-361776/18 Calibration Date: 04/11/2016 17:42

Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12

Lab File ID: L132507.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 1,4-Dioxane | Ave | 0.5236 | 0.5645 | 0.0100 | 27000 | 25000 | 7.8 | 30.0 |
| N-Nitrosodimethylamine | Ave | 0.7555 | 0.6690 | | 22100 | 25000 | -11.4 | 30.0 |
| Pyridine | Ave | 1.345 | 1.404 | | 26100 | 25000 | 4.4 | 30.0 |
| Phenol | Ave | 1.643 | 1.658 | 0.8000 | 25200 | 25000 | 0.9 | 30.0 |
| Aniline | Ave | 2.002 | 1.935 | | 24200 | 25000 | -3.4 | 30.0 |
| Bis(2-chloroethyl)ether | Ave | 1.314 | 1.280 | 0.7000 | 24400 | 25000 | -2.5 | 30.0 |
| 2-Chlorophenol | Ave | 1.387 | 1.425 | 0.8000 | 25700 | 25000 | 2.7 | 30.0 |
| n-Decane | Ave | 2.139 | 2.244 | 0.0100 | 26200 | 25000 | 4.9 | 30.0 |
| 1,3-Dichlorobenzene | Ave | 1.537 | 1.613 | | 26200 | 25000 | 4.9 | 30.0 |
| 1,4-Dichlorobenzene | Ave | 1.565 | 1.631 | | 26100 | 25000 | 4.2 | 30.0 |
| Benzyl alcohol | Ave | 0.8545 | 0.8439 | 0.0100 | 24700 | 25000 | -1.2 | 30.0 |
| 1,2-Dichlorobenzene | Ave | 1.477 | 1.528 | | 25900 | 25000 | 3.4 | 30.0 |
| 2-Methylphenol | Ave | 1.198 | 1.230 | 0.7000 | 25700 | 25000 | 2.6 | 30.0 |
| 2,2'-oxybis[1-chloropropane] | Ave | 2.678 | 2.644 | 0.0100 | 24700 | 25000 | -1.3 | 30.0 |
| 3 & 4 Methylphenol | Ave | 1.316 | 1.338 | | 25400 | 25000 | 1.7 | 30.0 |
| 4-Methylphenol | Ave | 1.316 | 1.338 | 0.6000 | 25400 | 25000 | 1.7 | 30.0 |
| Acetophenone | Ave | 1.691 | 1.730 | 0.0100 | 25600 | 25000 | 2.3 | 30.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.9182 | 0.8854 | 0.5000 | 24100 | 25000 | -3.6 | 30.0 |
| Hexachloroethane | Ave | 0.6101 | 0.6387 | 0.3000 | 26200 | 25000 | 4.7 | 30.0 |
| Nitrobenzene | Ave | 0.4911 | 0.5007 | 0.2000 | 25500 | 25000 | 2.0 | 30.0 |
| n,n'-Dimethylaniline | Ave | 1.943 | 1.926 | 0.0100 | 24800 | 25000 | -0.9 | 30.0 |
| Isophorone | Ave | 0.6069 | 0.6281 | 0.4000 | 25900 | 25000 | 3.5 | 30.0 |
| 2-Nitrophenol | Ave | 0.1865 | 0.1916 | 0.1000 | 25700 | 25000 | 2.7 | 30.0 |
| 2,4-Dimethylphenol | Ave | 0.3100 | 0.3063 | 0.2000 | 24700 | 25000 | -1.2 | 30.0 |
| Benzoic acid | Lin2 | | 0.1353 | | 22400 | 25000 | -10.5 | 30.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.3939 | 0.3977 | 0.3000 | 25200 | 25000 | 1.0 | 30.0 |
| 2,4-Dichlorophenol | Ave | 0.2773 | 0.2828 | 0.2000 | 25500 | 25000 | 2.0 | 30.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3018 | 0.3148 | | 26100 | 25000 | 4.3 | 30.0 |
| Naphthalene | Ave | 1.031 | 1.079 | 0.7000 | 26200 | 25000 | 4.6 | 30.0 |
| 4-Chloroaniline | Ave | 0.4126 | 0.4042 | 0.0100 | 24500 | 25000 | -2.0 | 30.0 |
| Hexachlorobutadiene | Ave | 0.1699 | 0.1779 | 0.0100 | 26200 | 25000 | 4.7 | 30.0 |
| 4-Chloro-3-methylphenol | Ave | 0.2716 | 0.2809 | | 25900 | 25000 | 3.4 | 30.0 |
| 2-Methylnaphthalene | Ave | 0.6830 | 0.6755 | 0.4000 | 24700 | 25000 | -1.1 | 30.0 |
| 1-Methylnaphthalene | Ave | 0.5915 | 0.6340 | 0.0100 | 26800 | 25000 | 7.2 | 30.0 |
| Hexachlorocyclopentadiene | Ave | 0.2810 | 0.2661 | 0.0500 | 23700 | 25000 | -5.3 | 30.0 |
| 1,2,4,5-Tetrachlorobenzene | Ave | 0.5342 | 0.5566 | 0.0100 | 26000 | 25000 | 4.2 | 30.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4454 | 0.4468 | 0.0100 | 25100 | 25000 | 0.3 | 30.0 |
| 2,4,6-Trichlorophenol | Lin2 | | 0.3699 | 0.2000 | 25800 | 25000 | 3.2 | 30.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3737 | 0.3921 | 0.2000 | 26200 | 25000 | 4.9 | 30.0 |
| 1,1'-Biphenyl | Ave | 1.568 | 1.627 | 0.0100 | 25900 | 25000 | 3.8 | 30.0 |
| 2-Chloronaphthalene | Ave | 1.162 | 1.206 | 0.8000 | 26000 | 25000 | 3.8 | 30.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Lab Sample ID: ICV 460-361776/18 Calibration Date: 04/11/2016 17:42

Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12

Lab File ID: L132507.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------|---------------|---------|--------|---------|----------------|-----------------|------|-----------|
| Phenyl ether | Ave | 0.8046 | 0.8332 | 0.0100 | 25900 | 25000 | 3.6 | 30.0 |
| 2-Nitroaniline | Ave | 0.4371 | 0.4434 | 0.0100 | 25400 | 25000 | 1.4 | 30.0 |
| 1,3-Dimethylnaphthalene | Ave | 0.9750 | 1.044 | 0.0100 | 26800 | 25000 | 7.1 | 30.0 |
| Dimethyl phthalate | Ave | 1.215 | 1.275 | 0.0100 | 26200 | 25000 | 4.9 | 30.0 |
| Coumarin | Ave | 0.2009 | 0.2027 | 0.0100 | 25200 | 25000 | 0.8 | 30.0 |
| 2,6-Dinitrotoluene | Ave | 0.2820 | 0.2943 | 0.2000 | 26100 | 25000 | 4.4 | 30.0 |
| Acenaphthylene | Ave | 1.795 | 1.817 | 0.9000 | 25300 | 25000 | 1.2 | 30.0 |
| 3-Nitroaniline | Ave | 0.3090 | 0.3138 | 0.0100 | 25400 | 25000 | 1.6 | 30.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 0.9548 | 1.011 | 0.0100 | 26500 | 25000 | 5.9 | 30.0 |
| Acenaphthene | Ave | 1.252 | 1.331 | 0.9000 | 26600 | 25000 | 6.3 | 30.0 |
| 2,4-Dinitrophenol | Qua | | 0.1569 | 0.0100 | 48200 | 50000 | -3.6 | 30.0 |
| 4-Nitrophenol | Ave | 0.2192 | 0.2188 | 0.0100 | 49900 | 50000 | -0.2 | 30.0 |
| 2,4-Dinitrotoluene | Ave | 0.3455 | 0.3742 | 0.2000 | 27100 | 25000 | 8.3 | 30.0 |
| Dibenzofuran | Ave | 1.615 | 1.662 | 0.8000 | 25700 | 25000 | 3.0 | 30.0 |
| 2,3,4,6-Tetrachlorophenol | Ave | 0.2845 | 0.2891 | 0.0100 | 25400 | 25000 | 1.6 | 30.0 |
| Diethyl phthalate | Ave | 1.203 | 1.239 | 0.0100 | 25700 | 25000 | 3.0 | 30.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.5543 | 0.5751 | 0.4000 | 25900 | 25000 | 3.8 | 30.0 |
| Fluorene | Ave | 1.288 | 1.322 | 0.9000 | 25700 | 25000 | 2.7 | 30.0 |
| 4-Nitroaniline | Ave | 0.2931 | 0.3031 | 0.0100 | 25800 | 25000 | 3.4 | 30.0 |
| 4,6-Dinitro-2-methylphenol | Lin2 | | 0.1385 | 0.0100 | 50200 | 50000 | 0.3 | 30.0 |
| N-Nitrosodiphenylamine | Ave | 0.6084 | 0.7328 | 0.0100 | 51200 | 42500 | 20.5 | 30.0 |
| 1,2-Diphenylhydrazine | Ave | 0.8860 | 0.9384 | 0.0100 | 26500 | 25000 | 5.9 | 30.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2172 | 0.2185 | 0.1000 | 25200 | 25000 | 0.6 | 30.0 |
| Hexachlorobenzene | Ave | 0.2222 | 0.2275 | 0.1000 | 25600 | 25000 | 2.4 | 30.0 |
| Pentachlorophenol | Ave | 0.1350 | 0.1511 | 0.0500 | 56000 | 50000 | 12.0 | 30.0 |
| Pentachloronitrobenzene | Ave | 0.0896 | 0.0997 | 0.0100 | 27800 | 25000 | 11.2 | 30.0 |
| n-Octadecane | Ave | 0.7922 | 0.7857 | 0.0100 | 24800 | 25000 | -0.8 | 30.0 |
| Phenanthrene | Ave | 1.158 | 1.176 | 0.7000 | 25400 | 25000 | 1.6 | 30.0 |
| Anthracene | Ave | 1.158 | 1.187 | 0.7000 | 25600 | 25000 | 2.4 | 30.0 |
| Carbazole | Ave | 1.011 | 1.040 | 0.0100 | 25700 | 25000 | 2.9 | 30.0 |
| Di-n-butyl phthalate | Ave | 1.271 | 1.320 | 0.0100 | 26000 | 25000 | 3.8 | 30.0 |
| Fluoranthene | Ave | 1.056 | 1.104 | 0.6000 | 26100 | 25000 | 4.5 | 30.0 |
| Benzidine | QuaF | | 0.4346 | | 22500 | 25000 | -9.9 | 30.0 |
| Pyrene | Ave | 1.466 | 1.486 | 0.6000 | 25300 | 25000 | 1.3 | 30.0 |
| Bisphenol-A | Ave | 0.5881 | 0.5749 | | 24400 | 25000 | -2.2 | 30.0 |
| Butyl benzyl phthalate | Ave | 0.6586 | 0.6735 | 0.0100 | 25600 | 25000 | 2.3 | 30.0 |
| Carbamazepine | Ave | 0.4873 | 0.4789 | 0.0100 | 24600 | 25000 | -1.7 | 30.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.4010 | 0.4042 | 0.0100 | 25200 | 25000 | 0.8 | 30.0 |
| Benzo[a]anthracene | Ave | 1.217 | 1.224 | 0.8000 | 25200 | 25000 | 0.6 | 30.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.9216 | 0.9292 | 0.0100 | 25200 | 25000 | 0.8 | 30.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Lab Sample ID: ICV 460-361776/18 Calibration Date: 04/11/2016 17:42
 Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12
 Lab File ID: L132507.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|---------------|---------|-------|---------|----------------|-----------------|------|-----------|
| Chrysene | Ave | 1.097 | 1.178 | 0.7000 | 26800 | 25000 | 7.4 | 30.0 |
| Di-n-octyl phthalate | Ave | 1.689 | 1.738 | 0.0100 | 25700 | 25000 | 2.9 | 30.0 |
| Benzo[b]fluoranthene | Ave | 1.162 | 1.192 | 0.7000 | 25600 | 25000 | 2.5 | 30.0 |
| Benzo[k]fluoranthene | Ave | 1.215 | 1.350 | 0.7000 | 27800 | 25000 | 11.1 | 30.0 |
| Benzo[a]pyrene | Ave | 1.095 | 1.167 | 0.7000 | 26600 | 25000 | 6.6 | 30.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.9854 | 1.255 | 0.5000 | 31900 | 25000 | 27.4 | 30.0 |
| Dibenz(a,h)anthracene | Ave | 0.9437 | 1.053 | 0.4000 | 27900 | 25000 | 11.5 | 30.0 |
| Benzo[g,h,i]perylene | Ave | 1.050 | 1.094 | 0.5000 | 26100 | 25000 | 4.2 | 30.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132507.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 11-Apr-2016 17:42:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-018
 Operator ID: Instrument ID: CBNAMS12
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:49 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:38:58

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.841 | 1.835 | 0.006 | 96 | 51242 | 25.0 | 27.0 | |
| 2 N-Nitrosodimethylamine | 74 | 2.082 | 2.076 | 0.006 | 78 | 60728 | 25.0 | 22.1 | |
| 3 Pyridine | 79 | 2.117 | 2.111 | 0.006 | 78 | 127449 | 25.0 | 26.1 | |
| 7 Phenol | 94 | 4.223 | 4.223 | 0.000 | 98 | 150511 | 25.0 | 25.2 | |
| 8 Aniline | 93 | 4.264 | 4.258 | 0.006 | 99 | 175642 | 25.0 | 24.2 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.317 | 4.323 | -0.006 | 94 | 116191 | 25.0 | 24.4 | |
| 10 2-Chlorophenol | 128 | 4.382 | 4.382 | 0.000 | 94 | 129360 | 25.0 | 25.7 | |
| 11 n-Decane | 43 | 4.435 | 4.429 | 0.006 | 95 | 203658 | 25.0 | 26.2 | |
| 12 1,3-Dichlorobenzene | 146 | 4.540 | 4.540 | 0.000 | 95 | 146429 | 25.0 | 26.2 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.599 | 4.594 | 0.005 | 97 | 145237 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.611 | 4.611 | 0.000 | 94 | 148021 | 25.0 | 26.1 | |
| 15 Benzyl alcohol | 108 | 4.723 | 4.723 | 0.000 | 93 | 76601 | 25.0 | 24.7 | |
| 16 1,2-Dichlorobenzene | 146 | 4.770 | 4.764 | 0.006 | 95 | 138700 | 25.0 | 25.9 | |
| 17 2-Methylphenol | 108 | 4.835 | 4.835 | -0.001 | 89 | 111617 | 25.0 | 25.7 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.864 | 4.864 | 0.000 | 93 | 240010 | 25.0 | 24.7 | |
| 20 3 & 4 Methylphenol | 108 | 4.987 | 4.993 | -0.006 | 87 | 121477 | 25.0 | 25.4 | |
| 19 4-Methylphenol | 108 | 4.987 | 4.993 | -0.006 | 83 | 121477 | 25.0 | 25.4 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.993 | 4.999 | -0.006 | 82 | 80374 | 25.0 | 24.1 | |
| 22 Acetophenone | 105 | 4.993 | 4.999 | -0.006 | 91 | 157049 | 25.0 | 25.6 | |
| 25 Hexachloroethane | 117 | 5.111 | 5.111 | 0.000 | 94 | 57976 | 25.0 | 26.2 | |
| 27 Nitrobenzene | 77 | 5.170 | 5.170 | 0.000 | 91 | 163956 | 25.0 | 25.5 | |
| 28 n,n'-Dimethylaniline | 120 | 5.176 | 5.176 | 0.000 | 95 | 174801 | 25.0 | 24.8 | |
| 29 Isophorone | 82 | 5.405 | 5.411 | -0.006 | 99 | 205646 | 25.0 | 25.9 | |
| 30 2-Nitrophenol | 139 | 5.487 | 5.487 | 0.000 | 89 | 62728 | 25.0 | 25.7 | |
| 31 2,4-Dimethylphenol | 122 | 5.529 | 5.529 | 0.000 | 91 | 100278 | 25.0 | 24.7 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.623 | 5.623 | 0.000 | 97 | 130221 | 25.0 | 25.2 | |
| 33 Benzoic acid | 122 | 5.605 | 5.635 | -0.030 | 90 | 44298 | 25.0 | 22.4 | |
| 34 2,4-Dichlorophenol | 162 | 5.729 | 5.729 | 0.000 | 95 | 92598 | 25.0 | 25.5 | |
| 35 1,2,4-Trichlorobenzene | 180 | 5.823 | 5.823 | 0.000 | 95 | 103069 | 25.0 | 26.1 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 523900 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.899 | 5.899 | 0.000 | 99 | 353168 | 25.0 | 26.2 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 38 4-Chloroaniline | 127 | 5.946 | 5.946 | 0.000 | 96 | 132348 | 25.0 | 24.5 | |
| 39 Hexachlorobutadiene | 225 | 6.034 | 6.029 | 0.005 | 94 | 58259 | 25.0 | 26.2 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.429 | 6.429 | 0.000 | 98 | 91978 | 25.0 | 25.9 | |
| 42 2-Methylnaphthalene | 142 | 6.593 | 6.593 | 0.000 | 86 | 221185 | 25.0 | 24.7 | |
| 43 1-Methylnaphthalene | 142 | 6.693 | 6.693 | 0.000 | 93 | 207601 | 25.0 | 26.8 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.758 | 6.758 | 0.000 | 96 | 43016 | 25.0 | 23.7 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.764 | 6.764 | 0.000 | 96 | 89987 | 25.0 | 26.0 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.787 | 6.787 | 0.000 | 90 | 146310 | 25.0 | 25.1 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.876 | 6.876 | 0.000 | 89 | 59793 | 25.0 | 25.8 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.905 | 6.905 | 0.000 | 95 | 63391 | 25.0 | 26.2 | |
| 51 1,1'-Biphenyl | 154 | 7.058 | 7.058 | 0.000 | 95 | 263027 | 25.0 | 25.9 | |
| 52 2-Chloronaphthalene | 162 | 7.081 | 7.081 | 0.000 | 97 | 195043 | 25.0 | 26.0 | |
| 53 Phenyl ether | 170 | 7.164 | 7.164 | 0.000 | 90 | 134703 | 25.0 | 25.9 | |
| 54 2-Nitroaniline | 65 | 7.176 | 7.176 | 0.000 | 98 | 71685 | 25.0 | 25.4 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.299 | 7.299 | 0.000 | 92 | 168793 | 25.0 | 26.8 | |
| 58 Dimethyl phthalate | 163 | 7.358 | 7.358 | 0.000 | 99 | 206061 | 25.0 | 26.2 | |
| 59 Coumarin | 146 | 7.381 | 7.387 | -0.006 | 77 | 66355 | 25.0 | 25.2 | |
| 60 2,6-Dinitrotoluene | 165 | 7.411 | 7.417 | -0.006 | 95 | 47581 | 25.0 | 26.1 | |
| 61 Acenaphthylene | 152 | 7.493 | 7.493 | 0.000 | 98 | 293824 | 25.0 | 25.3 | |
| 62 3-Nitroaniline | 138 | 7.581 | 7.587 | -0.006 | 95 | 50726 | 25.0 | 25.4 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.629 | 0.005 | 93 | 258666 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.646 | 7.652 | -0.006 | 98 | 163431 | 25.0 | 26.5 | |
| 65 Acenaphthene | 154 | 7.664 | 7.670 | -0.006 | 94 | 215240 | 25.0 | 26.6 | |
| 66 2,4-Dinitrophenol | 184 | 7.681 | 7.687 | -0.006 | 77 | 50733 | 50.0 | 48.2 | |
| 67 4-Nitrophenol | 65 | 7.740 | 7.746 | -0.006 | 92 | 70751 | 50.0 | 49.9 | |
| 68 2,4-Dinitrotoluene | 165 | 7.811 | 7.817 | -0.006 | 95 | 60501 | 25.0 | 27.1 | |
| 69 Dibenzofuran | 168 | 7.834 | 7.834 | 0.000 | 96 | 268753 | 25.0 | 25.7 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.958 | 7.958 | 0.000 | 93 | 46743 | 25.0 | 25.4 | |
| 71 Diethyl phthalate | 149 | 8.052 | 8.058 | -0.006 | 98 | 200304 | 25.0 | 25.7 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.170 | 8.170 | 0.000 | 85 | 92978 | 25.0 | 25.9 | |
| 74 Fluorene | 166 | 8.175 | 8.176 | -0.001 | 95 | 213767 | 25.0 | 25.7 | |
| 75 4-Nitroaniline | 138 | 8.181 | 8.193 | -0.012 | 92 | 48993 | 25.0 | 25.8 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.217 | 8.223 | -0.006 | 81 | 65774 | 50.0 | 50.2 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.287 | 8.287 | 0.000 | 68 | 295717 | 42.5 | 51.2 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.328 | 8.328 | 0.000 | 99 | 222748 | 25.0 | 26.5 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.652 | 8.652 | 0.000 | 84 | 51875 | 25.0 | 25.2 | |
| 81 Hexachlorobenzene | 284 | 8.722 | 8.728 | -0.006 | 99 | 53996 | 25.0 | 25.6 | |
| 83 Pentachlorophenol | 266 | 8.911 | 8.917 | -0.006 | 92 | 71751 | 50.0 | 56.0 | |
| 84 Pentachloronitrobenzene | 237 | 8.928 | 8.928 | 0.000 | 86 | 23671 | 25.0 | 27.8 | |
| 72 n-Octadecane | 57 | 8.981 | 8.987 | -0.006 | 92 | 186505 | 25.0 | 24.8 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 379799 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.122 | 9.123 | -0.001 | 98 | 279208 | 25.0 | 25.4 | |
| 87 Anthracene | 178 | 9.175 | 9.175 | 0.000 | 98 | 281686 | 25.0 | 25.6 | |
| 88 Carbazole | 167 | 9.322 | 9.328 | -0.006 | 96 | 246777 | 25.0 | 25.7 | |
| 89 Di-n-butyl phthalate | 149 | 9.664 | 9.664 | 0.000 | 100 | 313217 | 25.0 | 26.0 | |
| 90 Fluoranthene | 202 | 10.299 | 10.299 | 0.000 | 97 | 261965 | 25.0 | 26.1 | |
| 91 Benzidine | 184 | 10.422 | 10.422 | 0.000 | 99 | 103160 | 25.0 | 22.5 | |
| 92 Pyrene | 202 | 10.534 | 10.534 | 0.000 | 97 | 268808 | 25.0 | 25.3 | |
| 93 Bisphenol-A | 213 | 10.564 | 10.564 | 0.000 | 99 | 104025 | 25.0 | 24.4 | |
| 95 Butyl benzyl phthalate | 149 | 11.228 | 11.234 | -0.006 | 97 | 121854 | 25.0 | 25.6 | |
| 97 Carbamazepine | 193 | 11.363 | 11.369 | -0.006 | 93 | 86643 | 25.0 | 24.6 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.881 | 11.887 | -0.006 | 99 | 73136 | 25.0 | 25.2 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 99 Benzo[a]anthracene | 228 | 11.922 | 11.922 | 0.000 | 99 | 221434 | 25.0 | 25.2 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.928 | 0.006 | 98 | 289494 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.952 | 11.952 | 0.000 | 89 | 168115 | 25.0 | 25.2 | |
| 101 Chrysene | 228 | 11.969 | 11.969 | 0.000 | 98 | 213178 | 25.0 | 26.8 | |
| 103 Di-n-octyl phthalate | 149 | 12.834 | 12.840 | -0.006 | 97 | 268307 | 25.0 | 25.7 | |
| 104 Benzo[b]fluoranthene | 252 | 13.375 | 13.381 | -0.006 | 98 | 183920 | 25.0 | 25.6 | |
| 105 Benzo[k]fluoranthene | 252 | 13.416 | 13.422 | -0.006 | 99 | 208320 | 25.0 | 27.8 | |
| 106 Benzo[a]pyrene | 252 | 13.834 | 13.840 | -0.006 | 96 | 180129 | 25.0 | 26.6 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.917 | -0.001 | 95 | 246937 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.399 | 15.410 | -0.011 | 97 | 193763 | 25.0 | 31.9 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.428 | 15.440 | -0.012 | 93 | 162462 | 25.0 | 27.9 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.787 | 15.793 | -0.006 | 94 | 168900 | 25.0 | 26.1 | |

Reagents:

SM_ICV-long_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132507.D

Injection Date: 11-Apr-2016 17:42:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ICV

Worklist Smp#: 18

Client ID:

Injection Vol: 1.0 ul

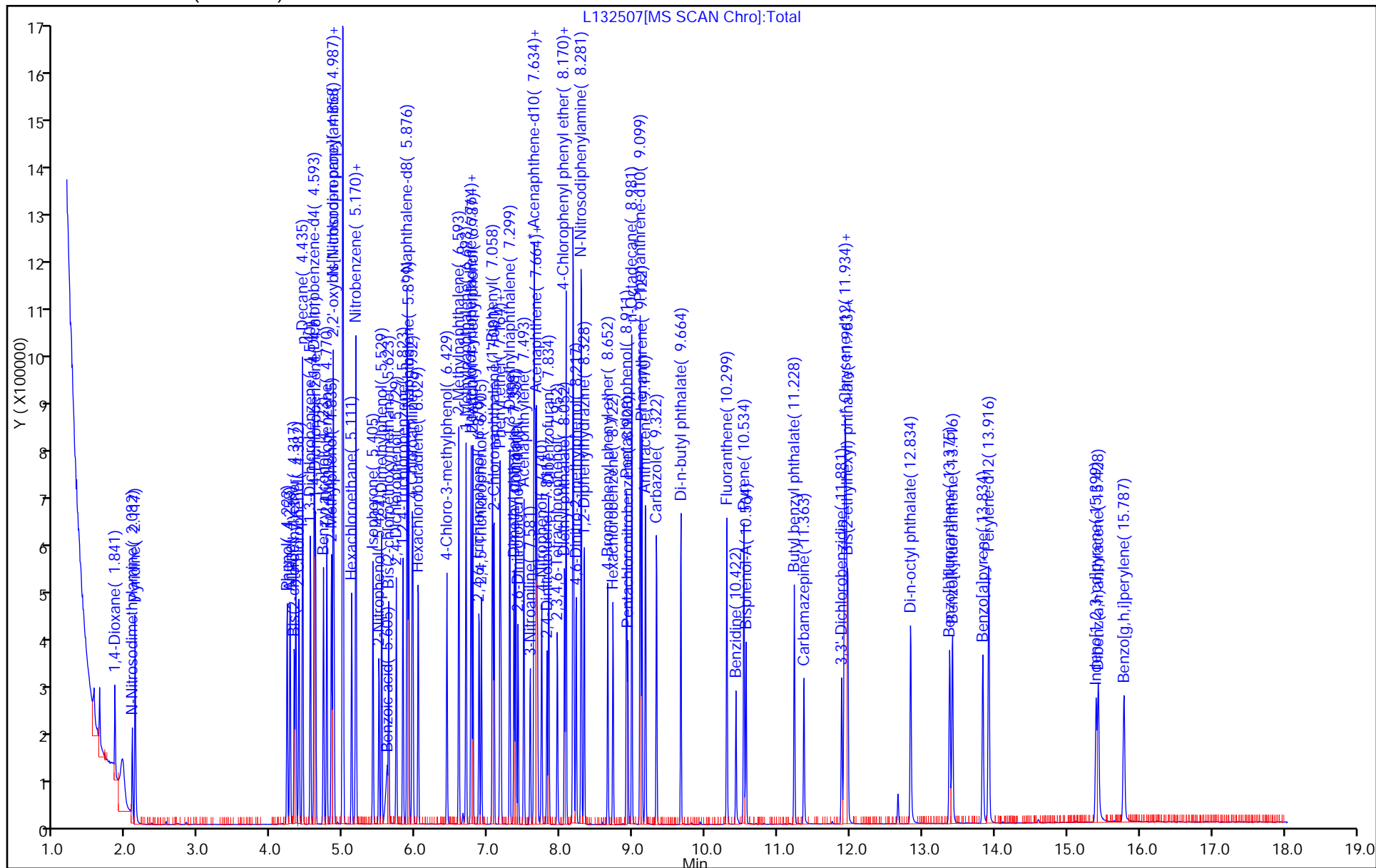
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab Sample ID: ICV 460-361776/19 Calibration Date: 04/11/2016 18:51
Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 14:39
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:16
Lab File ID: L132508A.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------|---------------|---------|--------|---------|----------------|-----------------|------|-----------|
| Benzaldehyde | Ave | 1.124 | 1.338 | 0.0100 | 29800 | 25000 | 19.0 | 30.0 |
| Caprolactam | Ave | 0.0771 | 0.0988 | 0.0100 | 32000 | 25000 | 28.1 | 30.0 |
| Atrazine | Ave | 0.1969 | 0.2362 | 0.0100 | 30000 | 25000 | 20.0 | 30.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132508A.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 11-Apr-2016 18:51:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-019
 Operator ID: Instrument ID: CBNAMS12
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:49 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 19:10:20

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.152 | 4.153 | 0.000 | 93 | 145567 | 25.0 | 29.8 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.594 | 4.594 | 0.000 | 97 | 174034 | 40.0 | 40.0 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 631855 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.264 | 6.270 | -0.006 | 88 | 39012 | 25.0 | 32.0 | |
| * 63 Acenaphthene-d10 | 164 | 7.635 | 7.629 | 0.006 | 92 | 317275 | 40.0 | 40.0 | |
| 82 Atrazine | 200 | 8.805 | 8.805 | 0.000 | 88 | 71236 | 25.0 | 30.0 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 482499 | 40.0 | 40.0 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.928 | 0.006 | 98 | 349384 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.922 | 13.917 | 0.005 | 96 | 271524 | 40.0 | 40.0 | |

Reagents:

SM_ICV-short_00009

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132508A.D

Injection Date: 11-Apr-2016 18:51:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ICV

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

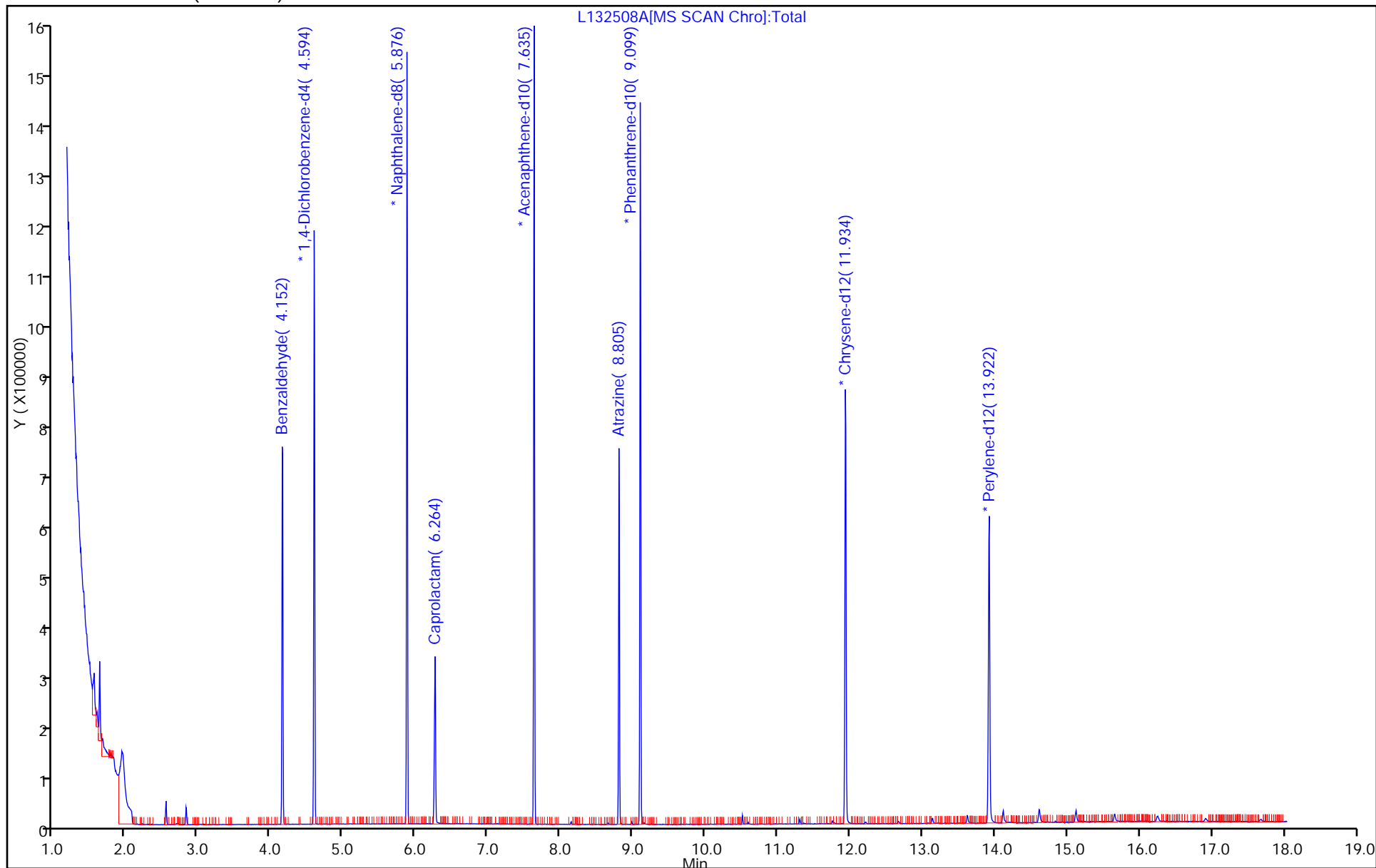
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Lab Sample ID: CCVIS 460-361964/2 Calibration Date: 04/11/2016 19:55

Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12

Lab File ID: L132510.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|---------------|---------|--------|---------|----------------|-----------------|------|-----------|
| 1,4-Dioxane | Ave | 0.5236 | 0.5249 | 0.0100 | 50100 | 50000 | 0.2 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.7555 | 0.7540 | | 49900 | 50000 | -0.2 | 20.0 |
| Pyridine | Ave | 1.345 | 1.337 | | 49700 | 50000 | -0.5 | 20.0 |
| Phenol | Ave | 1.643 | 1.578 | 0.8000 | 48000 | 50000 | -4.0 | 20.0 |
| Aniline | Ave | 2.002 | 1.923 | | 48000 | 50000 | -4.0 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.314 | 1.242 | 0.7000 | 47300 | 50000 | -5.4 | 20.0 |
| 2-Chlorophenol | Ave | 1.387 | 1.354 | 0.8000 | 48800 | 50000 | -2.4 | 20.0 |
| n-Decane | Ave | 2.139 | 2.136 | 0.0100 | 49900 | 50000 | -0.1 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.537 | 1.529 | | 49700 | 50000 | -0.5 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.565 | 1.542 | | 49300 | 50000 | -1.5 | 20.0 |
| Benzyl alcohol | Ave | 0.8545 | 0.8135 | 0.0100 | 47600 | 50000 | -4.8 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.477 | 1.482 | | 50100 | 50000 | 0.3 | 20.0 |
| 2-Methylphenol | Ave | 1.198 | 1.143 | 0.7000 | 47700 | 50000 | -4.6 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | Ave | 2.678 | 2.567 | 0.0100 | 47900 | 50000 | -4.1 | 20.0 |
| 3 & 4 Methylphenol | Ave | 1.316 | 1.246 | | 47300 | 50000 | -5.3 | 20.0 |
| 4-Methylphenol | Ave | 1.316 | 1.246 | 0.6000 | 47300 | 50000 | -5.3 | 20.0 |
| Acetophenone | Ave | 1.691 | 1.618 | 0.0100 | 47800 | 50000 | -4.3 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.9182 | 0.8598 | 0.5000 | 46800 | 50000 | -6.4 | 20.0 |
| Hexachloroethane | Ave | 0.6101 | 0.6025 | 0.3000 | 49400 | 50000 | -1.2 | 20.0 |
| n,n'-Dimethylaniline | Ave | 1.943 | 1.981 | 0.0100 | 51000 | 50000 | 2.0 | 20.0 |
| Nitrobenzene | Ave | 0.4911 | 0.4874 | 0.2000 | 49600 | 50000 | -0.8 | 20.0 |
| Isophorone | Ave | 0.6069 | 0.6069 | 0.4000 | 50000 | 50000 | -0.0 | 20.0 |
| 2-Nitrophenol | Ave | 0.1865 | 0.1867 | 0.1000 | 50000 | 50000 | 0.0 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3100 | 0.3058 | 0.2000 | 49300 | 50000 | -1.4 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.3939 | 0.3812 | 0.3000 | 48400 | 50000 | -3.2 | 20.0 |
| Benzoic acid | Lin2 | | 0.1610 | | 49000 | 50000 | -2.0 | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.2773 | 0.2782 | 0.2000 | 50200 | 50000 | 0.3 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3018 | 0.3045 | | 50400 | 50000 | 0.9 | 20.0 |
| Naphthalene | Ave | 1.031 | 1.020 | 0.7000 | 49500 | 50000 | -1.1 | 20.0 |
| 4-Chloroaniline | Ave | 0.4126 | 0.4034 | 0.0100 | 48900 | 50000 | -2.2 | 20.0 |
| Hexachlorobutadiene | Ave | 0.1699 | 0.1705 | 0.0100 | 50200 | 50000 | 0.3 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.2716 | 0.2745 | | 50500 | 50000 | 1.1 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6830 | 0.6761 | 0.4000 | 49500 | 50000 | -1.0 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.5915 | 0.5872 | 0.0100 | 49600 | 50000 | -0.7 | 20.0 |
| 1,2,4,5-Tetrachlorobenzene | Ave | 0.5342 | 0.5248 | 0.0100 | 49100 | 50000 | -1.8 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.2810 | 0.3286 | 0.0500 | 58500 | 50000 | 17.0 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4454 | 0.4545 | 0.0100 | 51000 | 50000 | 2.0 | 20.0 |
| 2,4,6-Trichlorophenol | Lin2 | | 0.3556 | 0.2000 | 49300 | 50000 | -1.5 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3737 | 0.3737 | 0.2000 | 50000 | 50000 | 0.0 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.568 | 1.538 | 0.0100 | 49000 | 50000 | -1.9 | 20.0 |
| 2-Chloronaphthalene | Ave | 1.162 | 1.141 | 0.8000 | 49100 | 50000 | -1.8 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Lab Sample ID: CCVIS 460-361964/2 Calibration Date: 04/11/2016 19:55

Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12

Lab File ID: L132510.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Phenyl ether | Ave | 0.8046 | 0.8096 | 0.0100 | 50300 | 50000 | 0.6 | 20.0 |
| 2-Nitroaniline | Ave | 0.4371 | 0.4270 | 0.0100 | 48800 | 50000 | -2.3 | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 0.9750 | 0.9939 | 0.0100 | 51000 | 50000 | 1.9 | 20.0 |
| Dimethyl phthalate | Ave | 1.215 | 1.234 | 0.0100 | 50800 | 50000 | 1.5 | 20.0 |
| Coumarin | Ave | 0.2009 | 0.2155 | 0.0100 | 53600 | 50000 | 7.3 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2820 | 0.2910 | 0.2000 | 51600 | 50000 | 3.2 | 20.0 |
| Acenaphthylene | Ave | 1.795 | 1.771 | 0.9000 | 49300 | 50000 | -1.3 | 20.0 |
| 3-Nitroaniline | Ave | 0.3090 | 0.3129 | 0.0100 | 50600 | 50000 | 1.3 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 0.9548 | 1.022 | 0.0100 | 53500 | 50000 | 7.1 | 20.0 |
| Acenaphthene | Ave | 1.252 | 1.261 | 0.9000 | 50400 | 50000 | 0.7 | 20.0 |
| 2,4-Dinitrophenol | Qua | | 0.1746 | 0.0100 | 100000 | 100000 | 0.5 | 20.0 |
| 4-Nitrophenol | Ave | 0.2192 | 0.2251 | 0.0100 | 103000 | 100000 | 2.7 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3455 | 0.3727 | 0.2000 | 53900 | 50000 | 7.9 | 20.0 |
| Dibenzofuran | Ave | 1.615 | 1.606 | 0.8000 | 49700 | 50000 | -0.5 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | Ave | 0.2845 | 0.2899 | 0.0100 | 51000 | 50000 | 1.9 | 20.0 |
| Diethyl phthalate | Ave | 1.203 | 1.235 | 0.0100 | 51300 | 50000 | 2.7 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.5543 | 0.5468 | 0.4000 | 49300 | 50000 | -1.4 | 20.0 |
| Fluorene | Ave | 1.288 | 1.271 | 0.9000 | 49300 | 50000 | -1.3 | 20.0 |
| 4-Nitroaniline | Ave | 0.2931 | 0.3080 | 0.0100 | 52500 | 50000 | 5.1 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Lin2 | | 0.1406 | 0.0100 | 99900 | 100000 | -0.0 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6084 | 0.5943 | 0.0100 | 97700 | 100000 | -2.3 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 0.8860 | 0.8448 | 0.0100 | 47700 | 50000 | -4.7 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2172 | 0.2148 | 0.1000 | 49400 | 50000 | -1.1 | 20.0 |
| Hexachlorobenzene | Ave | 0.2222 | 0.2183 | 0.1000 | 49100 | 50000 | -1.7 | 20.0 |
| Pentachlorophenol | Ave | 0.1350 | 0.1461 | 0.0500 | 108000 | 100000 | 8.2 | 20.0 |
| Pentachloronitrobenzene | Ave | 0.0896 | 0.0959 | 0.0100 | 53500 | 50000 | 6.9 | 20.0 |
| n-Octadecane | Ave | 0.7922 | 0.7645 | 0.0100 | 48300 | 50000 | -3.5 | 20.0 |
| Phenanthrene | Ave | 1.158 | 1.139 | 0.7000 | 49200 | 50000 | -1.6 | 20.0 |
| Anthracene | Ave | 1.158 | 1.154 | 0.7000 | 49800 | 50000 | -0.4 | 20.0 |
| Carbazole | Ave | 1.011 | 1.012 | 0.0100 | 50100 | 50000 | 0.2 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.271 | 1.300 | 0.0100 | 51200 | 50000 | 2.3 | 20.0 |
| Fluoranthene | Ave | 1.056 | 1.072 | 0.6000 | 50700 | 50000 | 1.5 | 20.0 |
| Benzidine | QuaF | | 0.5645 | | 51600 | 50000 | 3.1 | 20.0 |
| Pyrene | Ave | 1.466 | 1.498 | 0.6000 | 51100 | 50000 | 2.1 | 20.0 |
| Bisphenol-A | Ave | 0.5881 | 0.5852 | | 49800 | 50000 | -0.5 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.6586 | 0.6781 | 0.0100 | 51500 | 50000 | 3.0 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1521 | 0.1351 | 0.0100 | 444 | 500 | -11.2 | 20.0 |
| Carbamazepine | Ave | 0.4873 | 0.5099 | 0.0100 | 52300 | 50000 | 4.6 | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.4010 | 0.4210 | 0.0100 | 52500 | 50000 | 5.0 | 20.0 |
| Benzo[a]anthracene | Ave | 1.217 | 1.180 | 0.8000 | 48500 | 50000 | -3.0 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-361964/2 Calibration Date: 04/11/2016 19:55
 Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12
 Lab File ID: L132510.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|---------------|---------|--------|---------|----------------|-----------------|------|-----------|
| Bis(2-ethylhexyl) phthalate | Ave | 0.9216 | 0.9530 | 0.0100 | 51700 | 50000 | 3.4 | 20.0 |
| Chrysene | Ave | 1.097 | 1.080 | 0.7000 | 49200 | 50000 | -1.6 | 20.0 |
| Di-n-octyl phthalate | Ave | 1.689 | 1.764 | 0.0100 | 52200 | 50000 | 4.5 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.162 | 1.160 | 0.7000 | 49900 | 50000 | -0.2 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.215 | 1.301 | 0.7000 | 53600 | 50000 | 7.1 | 20.0 |
| Benzo[a]pyrene | Ave | 1.095 | 1.139 | 0.7000 | 52000 | 50000 | 4.0 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.9854 | 1.050 | 0.5000 | 53300 | 50000 | 6.5 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.9437 | 1.024 | 0.4000 | 54300 | 50000 | 8.5 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 1.050 | 1.059 | 0.5000 | 50400 | 50000 | 0.9 | 20.0 |
| 2-Fluorophenol (Surr) | Ave | 1.360 | 1.417 | 0.0100 | 52100 | 50000 | 4.2 | 20.0 |
| Phenol-d5 (Surr) | Ave | 1.650 | 1.660 | 0.0100 | 50300 | 50000 | 0.6 | 20.0 |
| Nitrobenzene-d5 (Surr) | Ave | 0.3833 | 0.3948 | 0.0100 | 51500 | 50000 | 3.0 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.428 | 1.462 | 0.0100 | 51200 | 50000 | 2.4 | 20.0 |
| 2,4,6-Tribromophenol (Surr) | Lin2 | | 0.1756 | 0.0100 | 52400 | 50000 | 4.7 | 20.0 |
| Terphenyl-d14 (Surr) | Ave | 1.000 | 1.087 | 0.0100 | 54400 | 50000 | 8.7 | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132510.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 11-Apr-2016 19:55:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039729-002
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:44:22 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: croccom

Date: 11-Apr-2016 20:17:55

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.841 | 1.841 | 0.000 | 95 | 98485 | 50.0 | 50.1 | |
| 2 N-Nitrosodimethylamine | 74 | 2.082 | 2.082 | 0.000 | 78 | 141478 | 50.0 | 49.9 | |
| 3 Pyridine | 79 | 2.123 | 2.123 | 0.000 | 78 | 250930 | 50.0 | 49.7 | |
| \$ 4 2-Fluorophenol | 112 | 3.294 | 3.294 | 0.000 | 94 | 265800 | 50.0 | 52.1 | |
| \$ 6 Phenol-d5 | 99 | 4.211 | 4.211 | 0.000 | 85 | 311453 | 50.0 | 50.3 | |
| 7 Phenol | 94 | 4.229 | 4.229 | 0.000 | 98 | 296108 | 50.0 | 48.0 | |
| 8 Aniline | 93 | 4.264 | 4.264 | 0.000 | 99 | 360738 | 50.0 | 48.0 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.323 | 4.323 | 0.000 | 94 | 233052 | 50.0 | 47.3 | |
| 10 2-Chlorophenol | 128 | 4.388 | 4.388 | 0.000 | 94 | 254063 | 50.0 | 48.8 | |
| 11 n-Decane | 43 | 4.435 | 4.435 | 0.000 | 95 | 400766 | 50.0 | 49.9 | |
| 12 1,3-Dichlorobenzene | 146 | 4.547 | 4.547 | 0.000 | 95 | 286876 | 50.0 | 49.7 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.599 | 4.599 | 0.000 | 96 | 150101 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.617 | 4.617 | 0.000 | 94 | 289231 | 50.0 | 49.3 | |
| 15 Benzyl alcohol | 108 | 4.729 | 4.729 | 0.000 | 92 | 152628 | 50.0 | 47.6 | |
| 16 1,2-Dichlorobenzene | 146 | 4.770 | 4.770 | 0.000 | 96 | 277988 | 50.0 | 50.1 | |
| 17 2-Methylphenol | 108 | 4.835 | 4.835 | 0.000 | 89 | 214401 | 50.0 | 47.7 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.870 | 4.870 | 0.000 | 93 | 481670 | 50.0 | 47.9 | |
| 20 3 & 4 Methylphenol | 108 | 4.994 | 4.994 | 0.000 | 87 | 233748 | 50.0 | 47.3 | |
| 19 4-Methylphenol | 108 | 4.994 | 4.994 | 0.000 | 81 | 233748 | 50.0 | 47.3 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.999 | 4.999 | 0.000 | 93 | 161318 | 50.0 | 46.8 | |
| 22 Acetophenone | 105 | 4.999 | 4.999 | 0.000 | 88 | 303573 | 50.0 | 47.8 | |
| 25 Hexachloroethane | 117 | 5.111 | 5.111 | 0.000 | 94 | 113052 | 50.0 | 49.4 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.152 | 5.152 | 0.000 | 92 | 265042 | 50.0 | 51.5 | |
| 27 Nitrobenzene | 77 | 5.176 | 5.176 | 0.000 | 88 | 327183 | 50.0 | 49.6 | |
| 28 n,n'-Dimethylaniline | 120 | 5.176 | 5.176 | 0.000 | 95 | 371728 | 50.0 | 51.0 | |
| 29 Isophorone | 82 | 5.411 | 5.411 | 0.000 | 98 | 407384 | 50.0 | 50.0 | |
| 30 2-Nitrophenol | 139 | 5.494 | 5.494 | 0.000 | 90 | 125306 | 50.0 | 50.0 | |
| 31 2,4-Dimethylphenol | 122 | 5.529 | 5.529 | 0.000 | 91 | 205288 | 50.0 | 49.3 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.629 | 5.629 | 0.000 | 97 | 255914 | 50.0 | 48.4 | |
| 33 Benzoic acid | 122 | 5.635 | 5.635 | 0.000 | 92 | 108100 | 50.0 | 49.0 | |
| 34 2,4-Dichlorophenol | 162 | 5.735 | 5.735 | 0.000 | 95 | 186741 | 50.0 | 50.2 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 1,2,4-Trichlorobenzene | 180 | 5.823 | 5.823 | 0.000 | 95 | 204408 | 50.0 | 50.4 | |
| * 36 Naphthalene-d8 | 136 | 5.882 | 5.882 | 0.000 | 99 | 537037 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.899 | 5.899 | 0.000 | 99 | 684551 | 50.0 | 49.5 | |
| 38 4-Chloroaniline | 127 | 5.952 | 5.952 | 0.000 | 96 | 270821 | 50.0 | 48.9 | |
| 39 Hexachlorobutadiene | 225 | 6.035 | 6.035 | 0.000 | 95 | 114459 | 50.0 | 50.2 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.435 | 6.435 | 0.000 | 98 | 184290 | 50.0 | 50.5 | |
| 42 2-Methylnaphthalene | 142 | 6.593 | 6.593 | 0.000 | 85 | 453849 | 50.0 | 49.5 | |
| 43 1-Methylnaphthalene | 142 | 6.693 | 6.693 | 0.000 | 94 | 394149 | 50.0 | 49.6 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.764 | 6.764 | 0.000 | 96 | 112204 | 50.0 | 58.5 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.764 | 6.764 | 0.000 | 95 | 179183 | 50.0 | 49.1 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.788 | 6.788 | 0.000 | 90 | 305107 | 50.0 | 51.0 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.876 | 6.876 | 0.000 | 88 | 121412 | 50.0 | 49.3 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.905 | 6.905 | 0.000 | 96 | 127595 | 50.0 | 50.0 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.964 | 6.964 | 0.000 | 98 | 499026 | 50.0 | 51.2 | |
| 51 1,1'-Biphenyl | 154 | 7.058 | 7.058 | 0.000 | 96 | 525001 | 50.0 | 49.0 | |
| 52 2-Chloronaphthalene | 162 | 7.082 | 7.082 | 0.000 | 97 | 389414 | 50.0 | 49.1 | |
| 53 Phenyl ether | 170 | 7.164 | 7.164 | 0.000 | 90 | 276423 | 50.0 | 50.3 | |
| 54 2-Nitroaniline | 65 | 7.182 | 7.182 | 0.000 | 99 | 145774 | 50.0 | 48.8 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.299 | 7.299 | 0.000 | 91 | 339350 | 50.0 | 51.0 | |
| 58 Dimethyl phthalate | 163 | 7.364 | 7.364 | 0.000 | 99 | 421308 | 50.0 | 50.8 | |
| 59 Coumarin | 146 | 7.388 | 7.388 | 0.000 | 74 | 144692 | 50.0 | 53.6 | |
| 60 2,6-Dinitrotoluene | 165 | 7.417 | 7.417 | 0.000 | 95 | 99339 | 50.0 | 51.6 | |
| 61 Acenaphthylene | 152 | 7.493 | 7.493 | 0.000 | 97 | 604791 | 50.0 | 49.3 | |
| 62 3-Nitroaniline | 138 | 7.587 | 7.587 | 0.000 | 94 | 106824 | 50.0 | 50.6 | |
| * 63 Acenaphthene-d10 | 164 | 7.635 | 7.635 | 0.000 | 93 | 273146 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.652 | 7.652 | 0.000 | 98 | 348994 | 50.0 | 53.5 | |
| 65 Acenaphthene | 154 | 7.670 | 7.670 | 0.000 | 95 | 430536 | 50.0 | 50.4 | |
| 66 2,4-Dinitrophenol | 184 | 7.687 | 7.687 | 0.000 | 73 | 119244 | 100.0 | 100.5 | |
| 67 4-Nitrophenol | 65 | 7.746 | 7.746 | 0.000 | 92 | 153691 | 100.0 | 102.7 | |
| 68 2,4-Dinitrotoluene | 165 | 7.817 | 7.817 | 0.000 | 95 | 127239 | 50.0 | 53.9 | |
| 69 Dibenzofuran | 168 | 7.840 | 7.840 | 0.000 | 96 | 548471 | 50.0 | 49.7 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.958 | 7.958 | 0.000 | 92 | 98991 | 50.0 | 51.0 | |
| 71 Diethyl phthalate | 149 | 8.064 | 8.064 | 0.000 | 98 | 421739 | 50.0 | 51.3 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.176 | 8.176 | 0.000 | 83 | 186697 | 50.0 | 49.3 | |
| 74 Fluorene | 166 | 8.176 | 8.176 | 0.000 | 96 | 433877 | 50.0 | 49.3 | |
| 75 4-Nitroaniline | 138 | 8.193 | 8.193 | 0.000 | 92 | 105171 | 50.0 | 52.5 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.223 | 8.223 | 0.000 | 81 | 143825 | 100.0 | 99.9 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.293 | 8.293 | 0.000 | 67 | 608139 | 100.0 | 97.7 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.329 | 8.329 | 0.000 | 99 | 432230 | 50.0 | 47.7 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.417 | 8.417 | 0.000 | 94 | 59957 | 50.0 | 52.4 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.658 | 8.658 | 0.000 | 89 | 109892 | 50.0 | 49.4 | |
| 81 Hexachlorobenzene | 284 | 8.729 | 8.729 | 0.000 | 99 | 111701 | 50.0 | 49.1 | |
| 83 Pentachlorophenol | 266 | 8.917 | 8.917 | 0.000 | 93 | 149470 | 100.0 | 108.2 | |
| 84 Pentachloronitrobenzene | 237 | 8.934 | 8.934 | 0.000 | 86 | 49047 | 50.0 | 53.5 | |
| 72 n-Octadecane | 57 | 8.987 | 8.987 | 0.000 | 92 | 391153 | 50.0 | 48.3 | |
| * 85 Phenanthrene-d10 | 188 | 9.105 | 9.105 | 0.000 | 99 | 409311 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.129 | 9.129 | 0.000 | 98 | 582510 | 50.0 | 49.2 | |
| 87 Anthracene | 178 | 9.176 | 9.176 | 0.000 | 98 | 590515 | 50.0 | 49.8 | |
| 88 Carbazole | 167 | 9.329 | 9.329 | 0.000 | 96 | 517993 | 50.0 | 50.1 | |
| 89 Di-n-butyl phthalate | 149 | 9.664 | 9.664 | 0.000 | 100 | 665309 | 50.0 | 51.2 | |
| 90 Fluoranthene | 202 | 10.299 | 10.299 | 0.000 | 97 | 548283 | 50.0 | 50.7 | |
| 91 Benzidine | 184 | 10.428 | 10.428 | 0.000 | 99 | 288793 | 50.0 | 51.6 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 92 Pyrene | 202 | 10.534 | 10.534 | 0.000 | 97 | 547645 | 50.0 | 51.1 | |
| 93 Bisphenol-A | 213 | 10.570 | 10.570 | 0.000 | 99 | 213995 | 50.0 | 49.8 | |
| \$ 94 Terphenyl-d14 | 244 | 10.693 | 10.693 | 0.000 | 99 | 397418 | 50.0 | 54.4 | |
| 95 Butyl benzyl phthalate | 149 | 11.234 | 11.234 | 0.000 | 97 | 247958 | 50.0 | 51.5 | |
| 96 2,3,7,8-TCDD | 320 | 11.358 | 11.358 | 0.000 | 86 | 494 | 0.5000 | 0.4441 | |
| 97 Carbamazepine | 193 | 11.370 | 11.370 | 0.000 | 92 | 186428 | 50.0 | 52.3 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.887 | 11.887 | 0.000 | 99 | 153941 | 50.0 | 52.5 | |
| 99 Benzo[a]anthracene | 228 | 11.923 | 11.923 | 0.000 | 99 | 431515 | 50.0 | 48.5 | |
| * 100 Chrysene-d12 | 240 | 11.940 | 11.940 | 0.000 | 98 | 292521 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.952 | 11.952 | 0.000 | 89 | 348458 | 50.0 | 51.7 | |
| 101 Chrysene | 228 | 11.975 | 11.975 | 0.000 | 98 | 394887 | 50.0 | 49.2 | |
| 103 Di-n-octyl phthalate | 149 | 12.840 | 12.840 | 0.000 | 97 | 534713 | 50.0 | 52.2 | |
| 104 Benzo[b]fluoranthene | 252 | 13.381 | 13.381 | 0.000 | 98 | 351528 | 50.0 | 49.9 | |
| 105 Benzo[k]fluoranthene | 252 | 13.422 | 13.422 | 0.000 | 99 | 394470 | 50.0 | 53.6 | |
| 106 Benzo[a]pyrene | 252 | 13.840 | 13.840 | 0.000 | 95 | 345311 | 50.0 | 52.0 | |
| * 107 Perylene-d12 | 264 | 13.922 | 13.922 | 0.000 | 96 | 242481 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.411 | 15.411 | 0.000 | 97 | 318202 | 50.0 | 53.3 | M |
| 109 Dibenz(a,h)anthracene | 278 | 15.440 | 15.440 | 0.000 | 96 | 310467 | 50.0 | 54.3 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.799 | 15.799 | 0.000 | 94 | 321054 | 50.0 | 50.4 | |

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

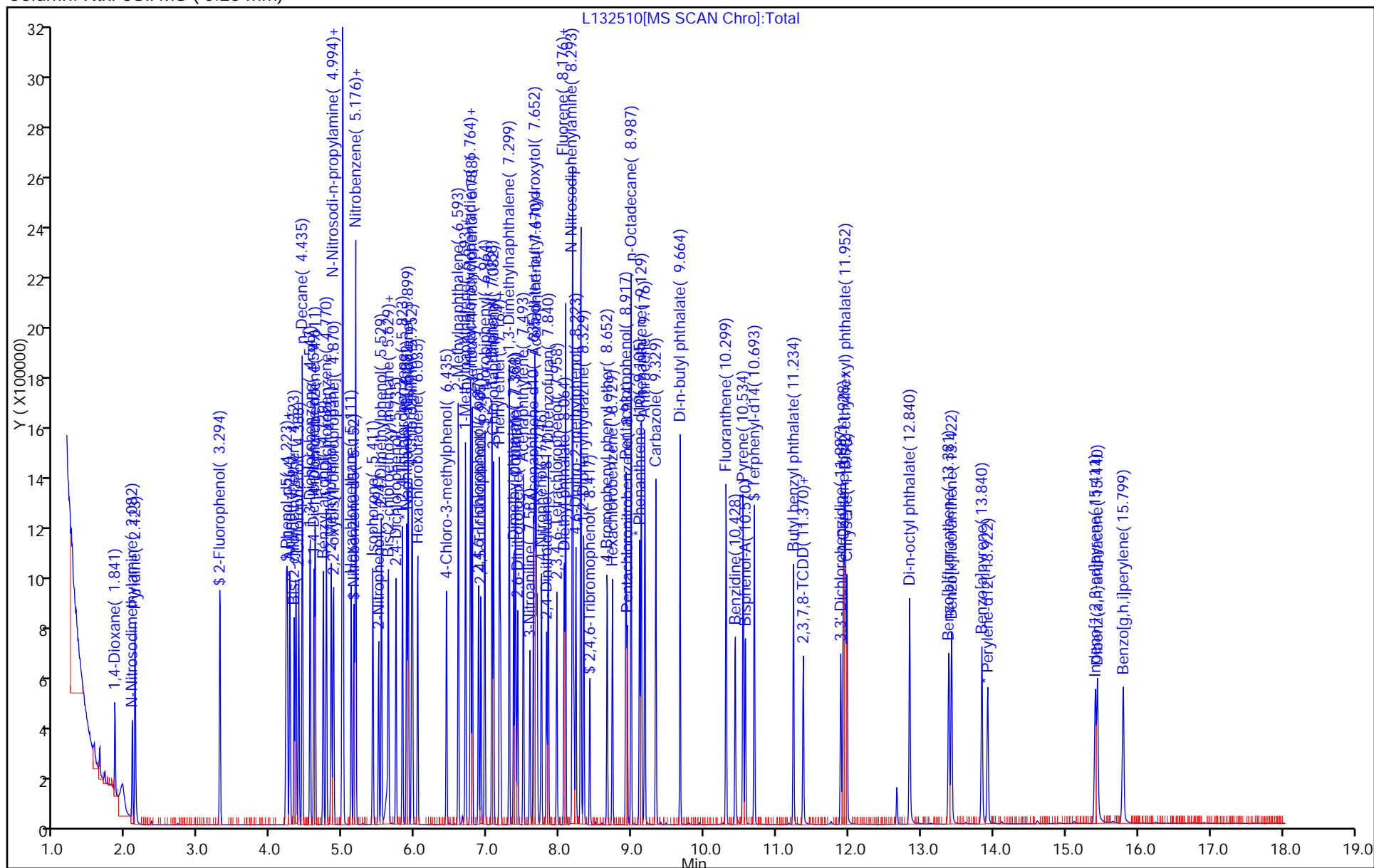
SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

| | | | |
|-----------------|--|----------------|---------------|
| Data File: | \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132510.D | | |
| Injection Date: | 11-Apr-2016 19:55:30 | Instrument ID: | CBNAMS12 |
| Lims ID: | ccvis | | |
| Client ID: | | | |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 |
| Method: | 8270_12R_9 | Limit Group: | SV 8270D ICAL |
| Column: | Rtxi-5Sil MS (0.25 mm) | | |

ALS Bottle#: 2



TestAmerica Edison

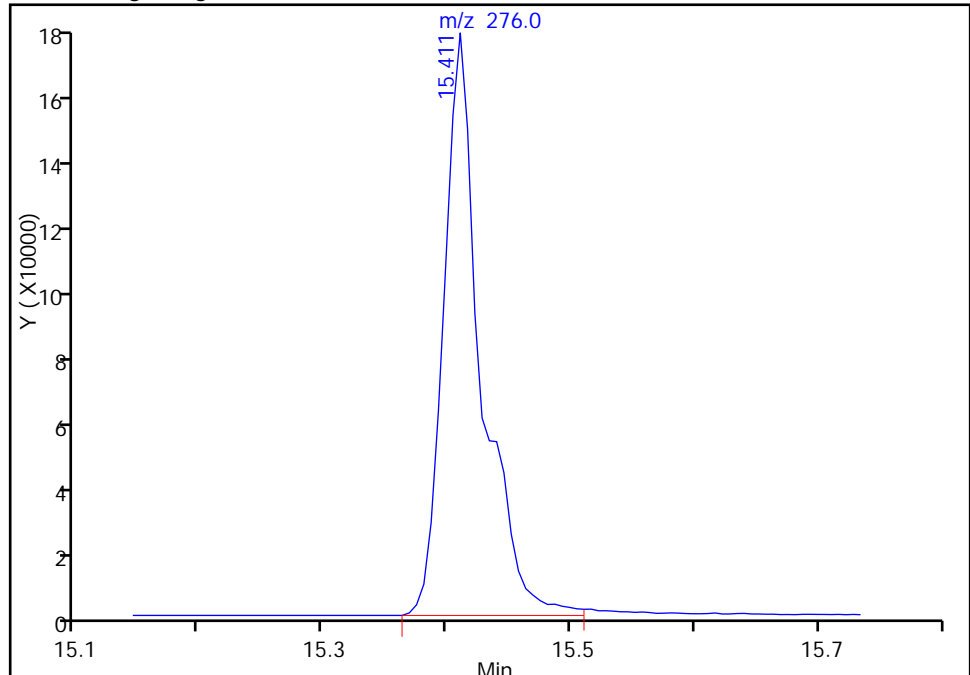
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132510.D
Injection Date: 11-Apr-2016 19:55:30 Instrument ID: CBNAMS12
Lims ID: ccvis
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 2 Worklist Smp#: 2
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

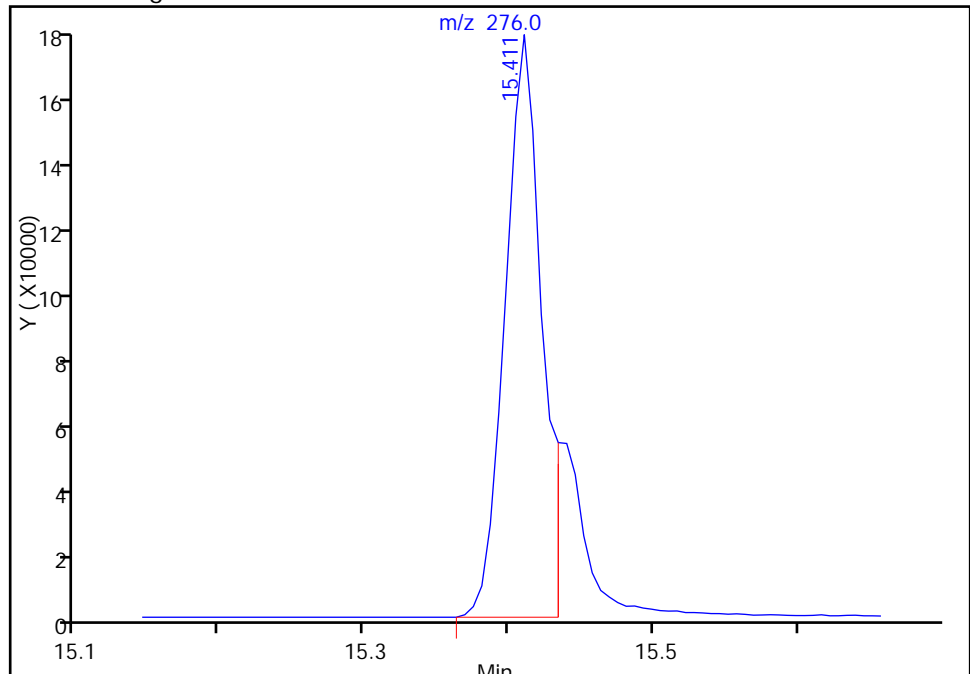
RT: 15.41
Area: 378519
Amount: 63.369017
Amount Units: ug/ml

Processing Integration Results



RT: 15.41
Area: 318202
Amount: 53.271165
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 20:17:55
Audit Action: Manually Integrated
Audit Reason: Shouldering

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab Sample ID: CCV 460-361964/3 Calibration Date: 04/11/2016 20:30
Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 14:39
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:16
Lab File ID: L132511.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------|---------------|---------|--------|---------|----------------|-----------------|------|-----------|
| Benzaldehyde | Ave | 1.124 | 1.170 | 0.0100 | 52000 | 50000 | 4.1 | 20.0 |
| Caprolactam | Ave | 0.0771 | 0.0870 | 0.0100 | 56400 | 50000 | 12.8 | 20.0 |
| Atrazine | Ave | 0.1969 | 0.2136 | 0.0100 | 54200 | 50000 | 8.5 | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132511.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 11-Apr-2016 20:30:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039729-003
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:44:26 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: croccom

Date: 11-Apr-2016 20:49:02

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.158 | 4.158 | 0.000 | 93 | 247649 | 50.0 | 52.0 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.594 | 4.594 | 0.000 | 97 | 169308 | 40.0 | 40.0 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 618579 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.270 | 6.270 | 0.000 | 89 | 67248 | 50.0 | 56.4 | |
| * 63 Acenaphthene-d10 | 164 | 7.635 | 7.635 | 0.000 | 93 | 306175 | 40.0 | 40.0 | |
| 82 Atrazine | 200 | 8.811 | 8.811 | 0.000 | 88 | 122037 | 50.0 | 54.2 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 457129 | 40.0 | 40.0 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.934 | 0.000 | 98 | 307797 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.916 | 0.000 | 96 | 229704 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L6_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39729.b\\L132511.D

Injection Date: 11-Apr-2016 20:30:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

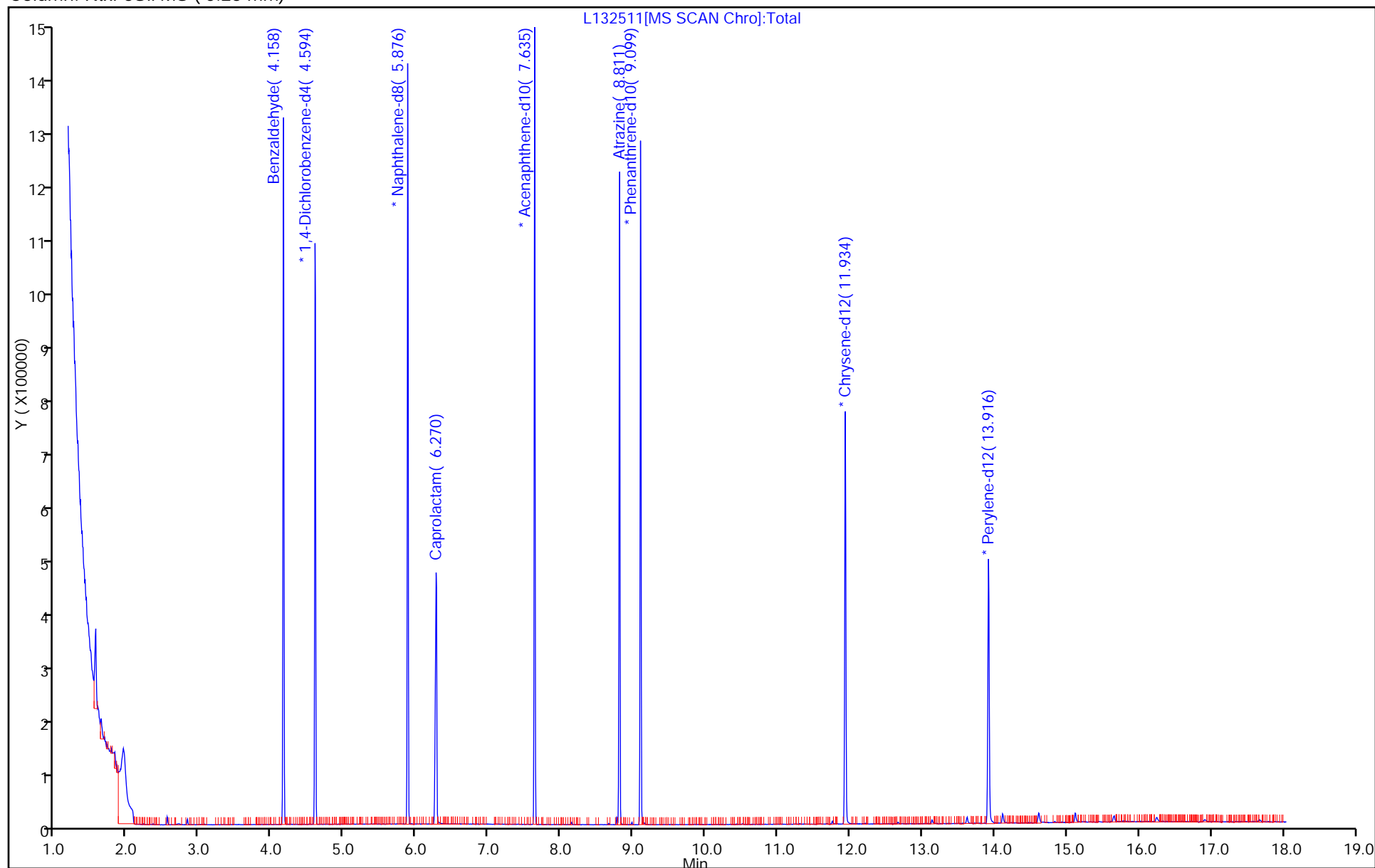
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Lab Sample ID: CCVIS 460-362222/2 Calibration Date: 04/13/2016 04:42

Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12

Lab File ID: L132570.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 1,4-Dioxane | Ave | 0.5236 | 0.5185 | 0.0100 | 49500 | 50000 | -1.0 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.7555 | 0.7474 | | 49500 | 50000 | -1.1 | 20.0 |
| Pyridine | Ave | 1.345 | 1.321 | | 49100 | 50000 | -1.7 | 20.0 |
| Phenol | Ave | 1.643 | 1.606 | 0.8000 | 48900 | 50000 | -2.3 | 20.0 |
| Aniline | Ave | 2.002 | 1.896 | | 47300 | 50000 | -5.3 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.314 | 1.205 | 0.7000 | 45900 | 50000 | -8.3 | 20.0 |
| 2-Chlorophenol | Ave | 1.387 | 1.333 | 0.8000 | 48100 | 50000 | -3.9 | 20.0 |
| n-Decane | Ave | 2.139 | 2.187 | 0.0100 | 51100 | 50000 | 2.3 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.537 | 1.534 | | 49900 | 50000 | -0.2 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.565 | 1.536 | | 49100 | 50000 | -1.8 | 20.0 |
| Benzyl alcohol | Ave | 0.8545 | 0.7798 | 0.0100 | 45600 | 50000 | -8.7 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.477 | 1.448 | | 49000 | 50000 | -2.0 | 20.0 |
| 2-Methylphenol | Ave | 1.198 | 1.103 | 0.7000 | 46000 | 50000 | -8.0 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | Ave | 2.678 | 2.526 | 0.0100 | 47200 | 50000 | -5.6 | 20.0 |
| 3 & 4 Methylphenol | Ave | 1.316 | 1.191 | | 45300 | 50000 | -9.5 | 20.0 |
| 4-Methylphenol | Ave | 1.316 | 1.191 | 0.6000 | 45300 | 50000 | -9.5 | 20.0 |
| Acetophenone | Ave | 1.691 | 1.526 | 0.0100 | 45100 | 50000 | -9.8 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.9182 | 0.8197 | 0.5000 | 44600 | 50000 | -10.7 | 20.0 |
| Hexachloroethane | Ave | 0.6101 | 0.5972 | 0.3000 | 48900 | 50000 | -2.1 | 20.0 |
| n,n'-Dimethylaniline | Ave | 1.943 | 1.931 | 0.0100 | 49700 | 50000 | -0.6 | 20.0 |
| Nitrobenzene | Ave | 0.4911 | 0.5061 | 0.2000 | 51500 | 50000 | 3.0 | 20.0 |
| Isophorone | Ave | 0.6069 | 0.5736 | 0.4000 | 47300 | 50000 | -5.5 | 20.0 |
| 2-Nitrophenol | Ave | 0.1865 | 0.1876 | 0.1000 | 50300 | 50000 | 0.6 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3100 | 0.2995 | 0.2000 | 48300 | 50000 | -3.4 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.3939 | 0.3822 | 0.3000 | 48500 | 50000 | -3.0 | 20.0 |
| Benzoic acid | Lin2 | | 0.1467 | | 44900 | 50000 | -10.2 | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.2773 | 0.2744 | 0.2000 | 49500 | 50000 | -1.1 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3018 | 0.3003 | | 49700 | 50000 | -0.5 | 20.0 |
| Naphthalene | Ave | 1.031 | 1.010 | 0.7000 | 49000 | 50000 | -2.0 | 20.0 |
| 4-Chloroaniline | Ave | 0.4126 | 0.3951 | 0.0100 | 47900 | 50000 | -4.2 | 20.0 |
| Hexachlorobutadiene | Ave | 0.1699 | 0.1736 | 0.0100 | 51100 | 50000 | 2.2 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.2716 | 0.2504 | | 46100 | 50000 | -7.8 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6830 | 0.6481 | 0.4000 | 47400 | 50000 | -5.1 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.5915 | 0.5545 | 0.0100 | 46900 | 50000 | -6.3 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.2810 | 0.3392 | 0.0500 | 60400 | 50000 | 20.7* | 20.0 |
| 1,2,4,5-Tetrachlorobenzene | Ave | 0.5342 | 0.5655 | 0.0100 | 52900 | 50000 | 5.9 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4454 | 0.4212 | 0.0100 | 47300 | 50000 | -5.4 | 20.0 |
| 2,4,6-Trichlorophenol | Lin2 | | 0.3568 | 0.2000 | 49400 | 50000 | -1.1 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3737 | 0.3717 | 0.2000 | 49700 | 50000 | -0.5 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.568 | 1.591 | 0.0100 | 50700 | 50000 | 1.5 | 20.0 |
| 2-Chloronaphthalene | Ave | 1.162 | 1.203 | 0.8000 | 51800 | 50000 | 3.6 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Lab Sample ID: CCVIS 460-362222/2 Calibration Date: 04/13/2016 04:42

Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12

Lab File ID: L132570.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Phenyl ether | Ave | 0.8046 | 0.8300 | 0.0100 | 51600 | 50000 | 3.2 | 20.0 |
| 2-Nitroaniline | Ave | 0.4371 | 0.4327 | 0.0100 | 49500 | 50000 | -1.0 | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 0.9750 | 1.032 | 0.0100 | 52900 | 50000 | 5.8 | 20.0 |
| Dimethyl phthalate | Ave | 1.215 | 1.117 | 0.0100 | 46000 | 50000 | -8.1 | 20.0 |
| Coumarin | Ave | 0.2009 | 0.1686 | 0.0100 | 41900 | 50000 | -16.1 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2820 | 0.2667 | 0.2000 | 47300 | 50000 | -5.4 | 20.0 |
| Acenaphthylene | Ave | 1.795 | 1.767 | 0.9000 | 49200 | 50000 | -1.6 | 20.0 |
| 3-Nitroaniline | Ave | 0.3090 | 0.2829 | 0.0100 | 45800 | 50000 | -8.4 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 0.9548 | 1.032 | 0.0100 | 54100 | 50000 | 8.1 | 20.0 |
| Acenaphthene | Ave | 1.252 | 1.115 | 0.9000 | 44500 | 50000 | -11.0 | 20.0 |
| 2,4-Dinitrophenol | Qua | | 0.1386 | 0.0100 | 81100 | 100000 | -18.9 | 20.0 |
| 4-Nitrophenol | Ave | 0.2192 | 0.1890 | 0.0100 | 86200 | 100000 | -13.8 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3455 | 0.3208 | 0.2000 | 46400 | 50000 | -7.2 | 20.0 |
| Dibenzofuran | Ave | 1.615 | 1.544 | 0.8000 | 47800 | 50000 | -4.4 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | Ave | 0.2845 | 0.2527 | 0.0100 | 44400 | 50000 | -11.2 | 20.0 |
| Diethyl phthalate | Ave | 1.203 | 1.061 | 0.0100 | 44100 | 50000 | -11.8 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.5543 | 0.5153 | 0.4000 | 46500 | 50000 | -7.0 | 20.0 |
| Fluorene | Ave | 1.288 | 1.203 | 0.9000 | 46700 | 50000 | -6.6 | 20.0 |
| 4-Nitroaniline | Ave | 0.2931 | 0.2605 | 0.0100 | 44400 | 50000 | -11.1 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Lin2 | | 0.1282 | 0.0100 | 91300 | 100000 | -8.7 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6084 | 0.6251 | 0.0100 | 103000 | 100000 | 2.8 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 0.8860 | 0.9305 | 0.0100 | 52500 | 50000 | 5.0 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2172 | 0.2241 | 0.1000 | 51600 | 50000 | 3.2 | 20.0 |
| Hexachlorobenzene | Ave | 0.2222 | 0.2285 | 0.1000 | 51400 | 50000 | 2.8 | 20.0 |
| Pentachlorophenol | Ave | 0.1350 | 0.1223 | 0.0500 | 90600 | 100000 | -9.4 | 20.0 |
| Pentachloronitrobenzene | Ave | 0.0896 | 0.0941 | 0.0100 | 52500 | 50000 | 5.0 | 20.0 |
| n-Octadecane | Ave | 0.7922 | 0.8452 | 0.0100 | 53300 | 50000 | 6.7 | 20.0 |
| Phenanthrene | Ave | 1.158 | 1.149 | 0.7000 | 49600 | 50000 | -0.7 | 20.0 |
| Anthracene | Ave | 1.158 | 1.155 | 0.7000 | 49900 | 50000 | -0.3 | 20.0 |
| Carbazole | Ave | 1.011 | 0.9771 | 0.0100 | 48300 | 50000 | -3.3 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.271 | 1.178 | 0.0100 | 46300 | 50000 | -7.3 | 20.0 |
| Fluoranthene | Ave | 1.056 | 0.9948 | 0.6000 | 47100 | 50000 | -5.8 | 20.0 |
| Benzidine | QuaF | | 0.5255 | | 48600 | 50000 | -2.8 | 20.0 |
| Pyrene | Ave | 1.466 | 1.417 | 0.6000 | 48300 | 50000 | -3.3 | 20.0 |
| Bisphenol-A | Ave | 0.5881 | 0.5381 | | 45700 | 50000 | -8.5 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.6586 | 0.6385 | 0.0100 | 48500 | 50000 | -3.1 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1521 | 0.1346 | 0.0100 | 442 | 500 | -11.5 | 20.0 |
| Carbamazepine | Ave | 0.4873 | 0.4090 | 0.0100 | 42000 | 50000 | -16.1 | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.4010 | 0.4390 | 0.0100 | 54700 | 50000 | 9.5 | 20.0 |
| Benzo[a]anthracene | Ave | 1.217 | 1.174 | 0.8000 | 48300 | 50000 | -3.5 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-362222/2 Calibration Date: 04/13/2016 04:42
 Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12
 Lab File ID: L132570.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Bis(2-ethylhexyl) phthalate | Ave | 0.9216 | 0.9037 | 0.0100 | 49000 | 50000 | -1.9 | 20.0 |
| Chrysene | Ave | 1.097 | 1.087 | 0.7000 | 49500 | 50000 | -0.9 | 20.0 |
| Di-n-octyl phthalate | Ave | 1.689 | 1.562 | 0.0100 | 46300 | 50000 | -7.5 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.162 | 1.136 | 0.7000 | 48900 | 50000 | -2.2 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.215 | 1.177 | 0.7000 | 48400 | 50000 | -3.1 | 20.0 |
| Benzo[a]pyrene | Ave | 1.095 | 1.142 | 0.7000 | 52200 | 50000 | 4.3 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.9854 | 1.146 | 0.5000 | 58200 | 50000 | 16.3 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.9437 | 1.118 | 0.4000 | 59300 | 50000 | 18.5 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 1.050 | 1.166 | 0.5000 | 55500 | 50000 | 11.0 | 20.0 |
| 2-Fluorophenol (Surr) | Ave | 1.360 | 1.391 | 0.0100 | 51100 | 50000 | 2.2 | 20.0 |
| Phenol-d5 (Surr) | Ave | 1.650 | 1.652 | 0.0100 | 50000 | 50000 | 0.0 | 20.0 |
| Nitrobenzene-d5 (Surr) | Ave | 0.3833 | 0.4022 | 0.0100 | 52500 | 50000 | 4.9 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.428 | 1.541 | 0.0100 | 54000 | 50000 | 7.9 | 20.0 |
| 2,4,6-Tribromophenol (Surr) | Lin2 | | 0.1494 | 0.0100 | 44600 | 50000 | -10.8 | 20.0 |
| Terphenyl-d14 (Surr) | Ave | 1.000 | 1.012 | 0.0100 | 50600 | 50000 | 1.2 | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132570.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 13-Apr-2016 04:42:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-002
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:54:15 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: manlangitf

Date: 13-Apr-2016 05:29:30

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.741 | 1.741 | 0.000 | 95 | 117755 | 50.0 | 49.5 | |
| 2 N-Nitrosodimethylamine | 74 | 1.982 | 1.982 | 0.000 | 76 | 169729 | 50.0 | 49.5 | |
| 3 Pyridine | 79 | 2.017 | 2.017 | 0.000 | 78 | 300089 | 50.0 | 49.1 | |
| \$ 4 2-Fluorophenol | 112 | 3.182 | 3.182 | 0.000 | 93 | 315821 | 50.0 | 51.1 | |
| \$ 6 Phenol-d5 | 99 | 4.105 | 4.105 | 0.000 | 86 | 375171 | 50.0 | 50.0 | |
| 7 Phenol | 94 | 4.123 | 4.123 | 0.000 | 98 | 364675 | 50.0 | 48.9 | |
| 8 Aniline | 93 | 4.146 | 4.146 | 0.000 | 99 | 430490 | 50.0 | 47.3 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.211 | 4.211 | 0.000 | 93 | 273648 | 50.0 | 45.9 | |
| 10 2-Chlorophenol | 128 | 4.270 | 4.270 | 0.000 | 94 | 302718 | 50.0 | 48.1 | |
| 11 n-Decane | 43 | 4.317 | 4.317 | 0.000 | 95 | 496694 | 50.0 | 51.1 | |
| 12 1,3-Dichlorobenzene | 146 | 4.423 | 4.423 | 0.000 | 95 | 348337 | 50.0 | 49.9 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.482 | 4.482 | 0.000 | 96 | 181675 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.493 | 4.493 | 0.000 | 94 | 348867 | 50.0 | 49.1 | |
| 15 Benzyl alcohol | 108 | 4.611 | 4.611 | 0.000 | 92 | 177088 | 50.0 | 45.6 | |
| 16 1,2-Dichlorobenzene | 146 | 4.652 | 4.652 | 0.000 | 95 | 328889 | 50.0 | 49.0 | |
| 17 2-Methylphenol | 108 | 4.729 | 4.729 | 0.000 | 88 | 250390 | 50.0 | 46.0 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.752 | 4.752 | 0.000 | 92 | 573733 | 50.0 | 47.2 | |
| 19 4-Methylphenol | 108 | 4.887 | 4.887 | 0.000 | 87 | 270525 | 50.0 | 45.3 | |
| 20 3 & 4 Methylphenol | 108 | 4.887 | 4.887 | 0.000 | 85 | 270525 | 50.0 | 45.3 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.887 | 4.887 | 0.000 | 89 | 186146 | 50.0 | 44.6 | |
| 22 Acetophenone | 105 | 4.887 | 4.887 | 0.000 | 90 | 346639 | 50.0 | 45.1 | |
| 25 Hexachloroethane | 117 | 4.993 | 4.993 | 0.000 | 94 | 135624 | 50.0 | 48.9 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.035 | 5.035 | 0.000 | 92 | 310974 | 50.0 | 52.5 | |
| 27 Nitrobenzene | 77 | 5.058 | 5.058 | 0.000 | 90 | 391311 | 50.0 | 51.5 | |
| 28 n,n'-Dimethylaniline | 120 | 5.058 | 5.058 | 0.000 | 94 | 438569 | 50.0 | 49.7 | |
| 29 Isophorone | 82 | 5.299 | 5.299 | 0.000 | 98 | 443524 | 50.0 | 47.3 | |
| 30 2-Nitrophenol | 139 | 5.376 | 5.376 | 0.000 | 88 | 145070 | 50.0 | 50.3 | |
| 31 2,4-Dimethylphenol | 122 | 5.423 | 5.423 | 0.000 | 91 | 231556 | 50.0 | 48.3 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.517 | 5.517 | 0.000 | 98 | 295540 | 50.0 | 48.5 | |
| 33 Benzoic acid | 122 | 5.535 | 5.535 | 0.000 | 91 | 113403 | 50.0 | 44.9 | |
| 34 2,4-Dichlorophenol | 162 | 5.623 | 5.623 | 0.000 | 95 | 212172 | 50.0 | 49.5 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 35 1,2,4-Trichlorobenzene | 180 | 5.705 | 5.705 | 0.000 | 95 | 232183 | 50.0 | 49.7 | |
| * 36 Naphthalene-d8 | 136 | 5.764 | 5.764 | 0.000 | 99 | 618604 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.787 | 5.787 | 0.000 | 99 | 780976 | 50.0 | 49.0 | |
| 38 4-Chloroaniline | 127 | 5.840 | 5.840 | 0.000 | 96 | 305521 | 50.0 | 47.9 | |
| 39 Hexachlorobutadiene | 225 | 5.917 | 5.917 | 0.000 | 95 | 134250 | 50.0 | 51.1 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.323 | 6.323 | 0.000 | 98 | 193621 | 50.0 | 46.1 | |
| 42 2-Methylnaphthalene | 142 | 6.482 | 6.482 | 0.000 | 85 | 501179 | 50.0 | 47.4 | |
| 43 1-Methylnaphthalene | 142 | 6.576 | 6.576 | 0.000 | 93 | 428758 | 50.0 | 46.9 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.646 | 6.646 | 0.000 | 94 | 117120 | 50.0 | 60.4 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.652 | 6.652 | 0.000 | 96 | 195265 | 50.0 | 52.9 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.681 | 6.681 | 0.000 | 90 | 325709 | 50.0 | 47.3 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.764 | 6.764 | 0.000 | 89 | 123213 | 50.0 | 49.4 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.793 | 6.793 | 0.000 | 95 | 128326 | 50.0 | 49.7 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.846 | 6.846 | 0.000 | 97 | 532072 | 50.0 | 54.0 | |
| 51 1,1'-Biphenyl | 154 | 6.946 | 6.946 | 0.000 | 95 | 549318 | 50.0 | 50.7 | |
| 52 2-Chloronaphthalene | 162 | 6.964 | 6.964 | 0.000 | 97 | 415457 | 50.0 | 51.8 | |
| 53 Phenyl ether | 170 | 7.046 | 7.046 | 0.000 | 89 | 286590 | 50.0 | 51.6 | |
| 54 2-Nitroaniline | 65 | 7.064 | 7.064 | 0.000 | 98 | 149400 | 50.0 | 49.5 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.181 | 7.181 | 0.000 | 92 | 356291 | 50.0 | 52.9 | |
| 58 Dimethyl phthalate | 163 | 7.246 | 7.246 | 0.000 | 99 | 385782 | 50.0 | 46.0 | |
| 59 Coumarin | 146 | 7.270 | 7.270 | 0.000 | 74 | 130342 | 50.0 | 41.9 | |
| 60 2,6-Dinitrotoluene | 165 | 7.305 | 7.305 | 0.000 | 94 | 92074 | 50.0 | 47.3 | |
| 61 Acenaphthylene | 152 | 7.376 | 7.376 | 0.000 | 97 | 610070 | 50.0 | 49.2 | |
| 62 3-Nitroaniline | 138 | 7.470 | 7.470 | 0.000 | 94 | 97691 | 50.0 | 45.8 | |
| * 63 Acenaphthene-d10 | 164 | 7.517 | 7.517 | 0.000 | 93 | 276233 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.534 | 7.534 | 0.000 | 98 | 356477 | 50.0 | 54.1 | |
| 65 Acenaphthene | 154 | 7.552 | 7.552 | 0.000 | 95 | 384937 | 50.0 | 44.5 | |
| 66 2,4-Dinitrophenol | 184 | 7.570 | 7.570 | 0.000 | 93 | 95702 | 100.0 | 81.1 | |
| 67 4-Nitrophenol | 65 | 7.640 | 7.640 | 0.000 | 92 | 130513 | 100.0 | 86.2 | |
| 68 2,4-Dinitrotoluene | 165 | 7.705 | 7.705 | 0.000 | 96 | 110760 | 50.0 | 46.4 | |
| 69 Dibenzofuran | 168 | 7.723 | 7.723 | 0.000 | 96 | 533018 | 50.0 | 47.8 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.840 | 7.840 | 0.000 | 92 | 87255 | 50.0 | 44.4 | |
| 71 Diethyl phthalate | 149 | 7.946 | 7.946 | 0.000 | 98 | 366305 | 50.0 | 44.1 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.058 | 8.058 | 0.000 | 83 | 177912 | 50.0 | 46.5 | |
| 74 Fluorene | 166 | 8.058 | 8.058 | 0.000 | 96 | 415246 | 50.0 | 46.7 | |
| 75 4-Nitroaniline | 138 | 8.076 | 8.076 | 0.000 | 93 | 89947 | 50.0 | 44.4 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.105 | 8.105 | 0.000 | 79 | 112510 | 100.0 | 91.3 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.176 | 8.176 | 0.000 | 68 | 548647 | 100.0 | 102.8 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.217 | 8.217 | 0.000 | 99 | 408346 | 50.0 | 52.5 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.299 | 8.299 | 0.000 | 94 | 51581 | 50.0 | 44.6 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.540 | 8.540 | 0.000 | 88 | 98359 | 50.0 | 51.6 | |
| 81 Hexachlorobenzene | 284 | 8.611 | 8.611 | 0.000 | 99 | 100264 | 50.0 | 51.4 | |
| 83 Pentachlorophenol | 266 | 8.799 | 8.799 | 0.000 | 92 | 107355 | 100.0 | 90.6 | |
| 84 Pentachloronitrobenzene | 237 | 8.817 | 8.817 | 0.000 | 87 | 41297 | 50.0 | 52.5 | |
| 72 n-Octadecane | 57 | 8.875 | 8.875 | 0.000 | 92 | 370891 | 50.0 | 53.3 | |
| * 85 Phenanthrene-d10 | 188 | 8.981 | 8.981 | 0.000 | 99 | 351067 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.005 | 9.005 | 0.000 | 98 | 504255 | 50.0 | 49.6 | |
| 87 Anthracene | 178 | 9.058 | 9.058 | 0.000 | 98 | 506898 | 50.0 | 49.9 | |
| 88 Carbazole | 167 | 9.211 | 9.211 | 0.000 | 96 | 428800 | 50.0 | 48.3 | |
| 89 Di-n-butyl phthalate | 149 | 9.552 | 9.552 | 0.000 | 100 | 516811 | 50.0 | 46.3 | |
| 90 Fluoranthene | 202 | 10.175 | 10.175 | 0.000 | 97 | 436534 | 50.0 | 47.1 | |
| 91 Benzidine | 184 | 10.305 | 10.305 | 0.000 | 99 | 230584 | 50.0 | 48.6 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 92 Pyrene | 202 | 10.405 | 10.405 | 0.000 | 97 | 440226 | 50.0 | 48.3 | |
| 93 Bisphenol-A | 213 | 10.446 | 10.446 | 0.000 | 99 | 167112 | 50.0 | 45.7 | |
| \$ 94 Terphenyl-d14 | 244 | 10.564 | 10.564 | 0.000 | 99 | 314229 | 50.0 | 50.6 | |
| 95 Butyl benzyl phthalate | 149 | 11.099 | 11.099 | 0.000 | 97 | 198298 | 50.0 | 48.5 | |
| 96 2,3,7,8-TCDD | 320 | 11.216 | 11.216 | 0.000 | 86 | 418 | 0.5000 | 0.4424 | |
| 97 Carbamazepine | 193 | 11.234 | 11.234 | 0.000 | 92 | 127022 | 50.0 | 42.0 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.740 | 11.740 | 0.000 | 99 | 136344 | 50.0 | 54.7 | |
| 99 Benzo[a]anthracene | 228 | 11.775 | 11.775 | 0.000 | 99 | 364649 | 50.0 | 48.3 | |
| * 100 Chrysene-d12 | 240 | 11.787 | 11.787 | 0.000 | 98 | 248460 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.811 | 11.811 | 0.000 | 89 | 280671 | 50.0 | 49.0 | |
| 101 Chrysene | 228 | 11.822 | 11.822 | 0.000 | 98 | 337653 | 50.0 | 49.5 | |
| 103 Di-n-octyl phthalate | 149 | 12.687 | 12.687 | 0.000 | 97 | 478734 | 50.0 | 46.3 | |
| 104 Benzo[b]fluoranthene | 252 | 13.216 | 13.216 | 0.000 | 97 | 348098 | 50.0 | 48.9 | |
| 105 Benzo[k]fluoranthene | 252 | 13.252 | 13.252 | 0.000 | 99 | 360593 | 50.0 | 48.4 | |
| 106 Benzo[a]pyrene | 252 | 13.669 | 13.669 | 0.000 | 96 | 350034 | 50.0 | 52.2 | |
| * 107 Perylene-d12 | 264 | 13.746 | 13.746 | 0.000 | 96 | 245136 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.222 | 15.222 | 0.000 | 98 | 351256 | 50.0 | 58.2 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.252 | 15.252 | 0.000 | 95 | 342726 | 50.0 | 59.3 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.593 | 15.593 | 0.000 | 94 | 357238 | 50.0 | 55.5 | |

Reagents:

SV_IC_BNA_L6_00018

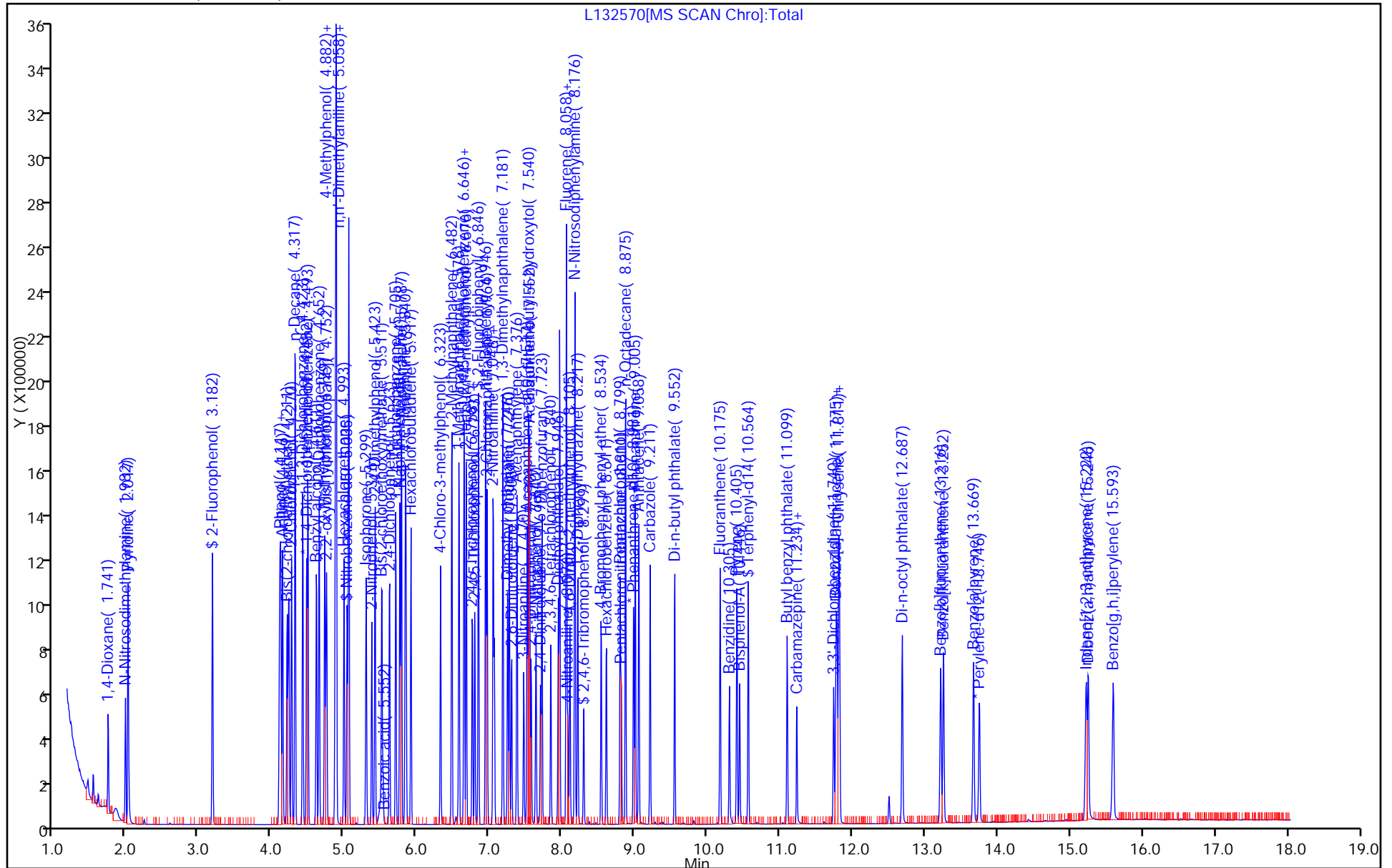
Amount Added: 1.00

Units: mL

| | | | |
|-----------------|---|----------------|---------------|
| Data File: | \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132570.D | | |
| Injection Date: | 13-Apr-2016 04:42:30 | Instrument ID: | CBNAMS12 |
| Lims ID: | ccvis | | |
| Client ID: | | | |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 |
| Method: | 8270_12R_9 | Limit Group: | SV 8270D ICAL |
| Column: | Rtxi-5Sil MS (0.25 mm) | | |

Operator ID:
Worklist Smp#: 2

ALS Bottle#: 2



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Lab Sample ID: CCV 460-362222/3 Calibration Date: 04/13/2016 06:27
Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 14:39
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:16
Lab File ID: L132571b.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------|---------------|---------|--------|---------|----------------|-----------------|------|-----------|
| Benzaldehyde | Ave | 1.124 | 1.212 | 0.0100 | 53900 | 50000 | 7.8 | 20.0 |
| Caprolactam | Ave | 0.0771 | 0.0782 | 0.0100 | 50700 | 50000 | 1.4 | 20.0 |
| Atrazine | Ave | 0.1969 | 0.1879 | 0.0100 | 47700 | 50000 | -4.6 | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132571b.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 13-Apr-2016 06:27:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-003
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:54:20 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 5 Benzaldehyde | 77 | 4.035 | 4.035 | 0.000 | 93 | 403286 | 50.0 | 53.9 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.476 | 4.476 | 0.000 | 97 | 266272 | 40.0 | 40.0 | |
| * 36 Naphthalene-d8 | 136 | 5.758 | 5.758 | 0.000 | 99 | 955970 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.164 | 6.164 | 0.000 | 88 | 93486 | 50.0 | 50.7 | |
| * 63 Acenaphthene-d10 | 164 | 7.511 | 7.511 | 0.000 | 93 | 431057 | 40.0 | 40.0 | |
| 82 Atrazine | 200 | 8.693 | 8.693 | 0.000 | 88 | 122236 | 50.0 | 47.7 | |
| * 85 Phenanthrene-d10 | 188 | 8.982 | 8.982 | 0.000 | 99 | 520469 | 40.0 | 40.0 | |
| * 100 Chrysene-d12 | 240 | 11.781 | 11.781 | 0.000 | 98 | 280040 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.740 | 13.740 | 0.000 | 96 | 229253 | 40.0 | 40.0 | |

Reagents:

SV_IC-S_L6_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132571b.D

Injection Date: 13-Apr-2016 06:27:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

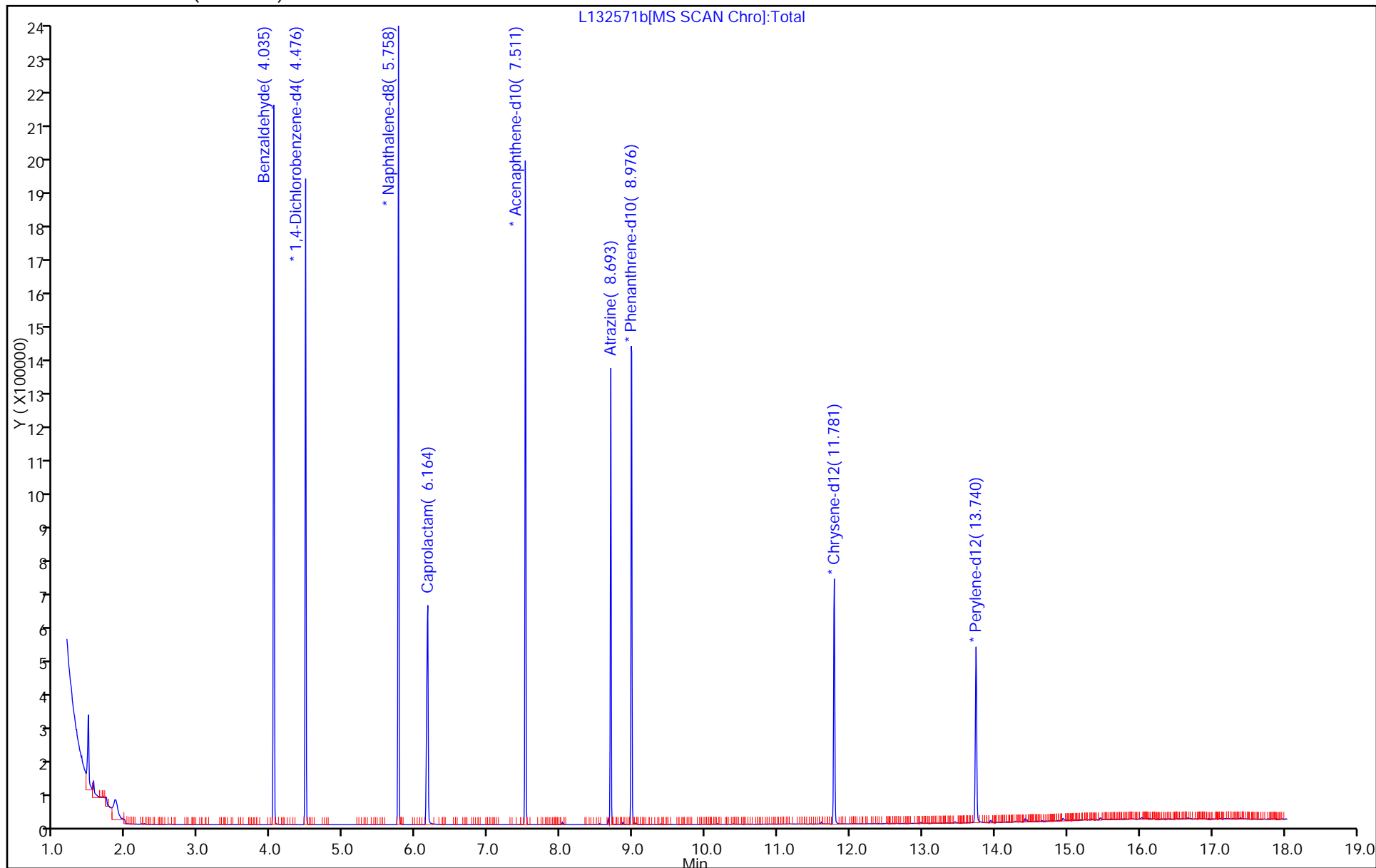
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 06-Apr-2016 12:25:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0039535-001
Misc. Info.: DFTPP
Operator ID: Instrument ID: CBNAMS11
Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 07-Apr-2016 00:06:23 Calib Date: 06-Apr-2016 18:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: zhaoc

Date: 06-Apr-2016 13:06:20

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 30 Pentachlorophenol_T | 266 | 5.392 | 5.392 | 0.000 | 92 | 42036 | NR | NR | |
| 56 Benzidine_T | 184 | 7.228 | 7.228 | 0.000 | 99 | 234726 | NR | NR | |
| 124 DFTPP | | | | | | | | | |
| 126 4,4'-DDD | 235 | 7.904 | 7.904 | 0.000 | 95 | 2638 | | NR | |
| 127 4,4'-DDT | 235 | 8.222 | 8.222 | 0.000 | 98 | 108351 | NR | NR | |

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

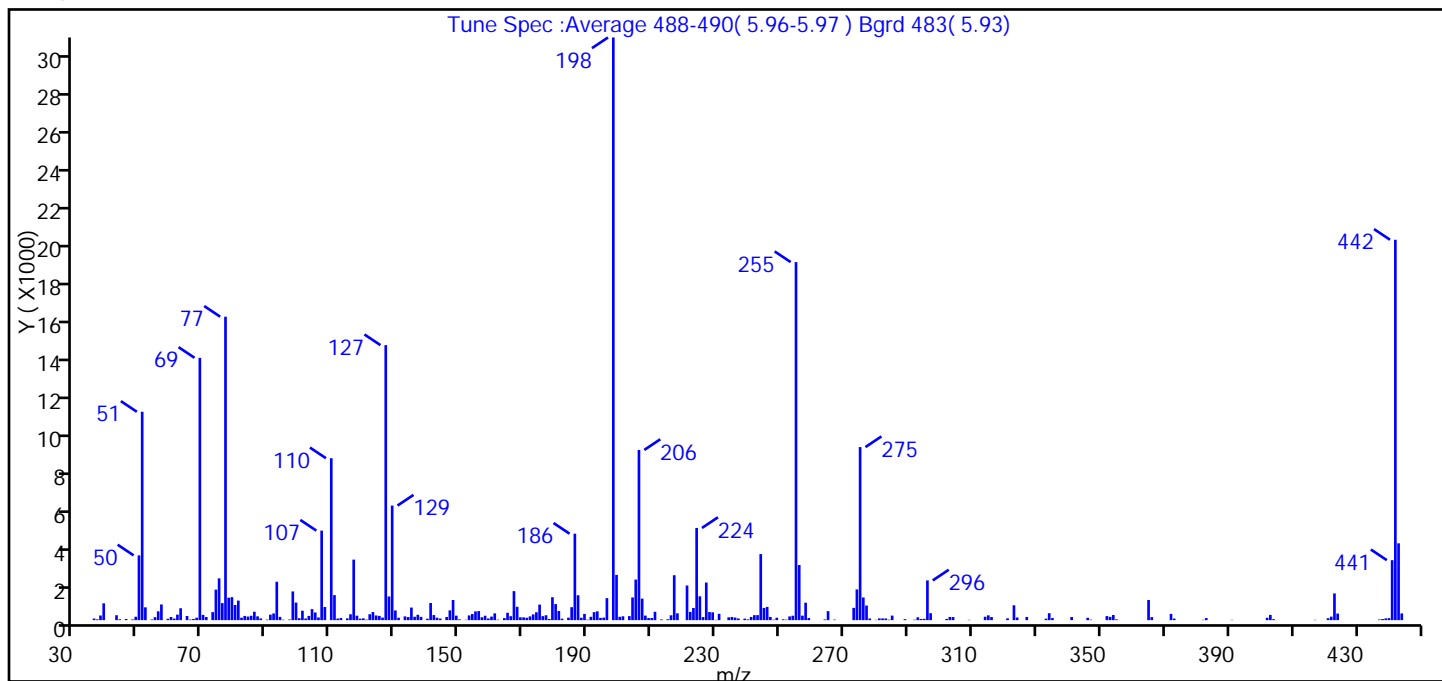
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D
Injection Date: 06-Apr-2016 12:25:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9
Tune Method: DFTPP Method 8270

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

124 DFTPP



| m/z | Ion Abundance Criteria | % Relative Abundance |
|-----|------------------------------------|----------------------|
| 198 | Base peak, 100% relative abundance | 100.0 |
| 51 | 30-60% of mass 198 | 35.8 |
| 68 | <2% of mass 69 | 0.4 (0.9) |
| 69 | Present | 45.0 |
| 70 | <2% of mass 69 | 0.9 (2.0) |
| 127 | 40-60% of mass 198 | 47.2 |
| 197 | <1% of mass 198 | 0.0 |
| 199 | 5-9% of mass 198 | 7.8 |
| 275 | 10-30% of mass 198 | 29.7 |
| 365 | >1% of mass 198 | 3.5 |
| 441 | Present but less than mass 443 | 10.3 (78.1) |
| 442 | >40% of mass 198 | 65.3 |
| 443 | 17-23% of mass 442 | 13.2 (20.2) |

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D\8270_11R_9.rslt\spectra.d
Injection Date: 06-Apr-2016 12:25:30
Spectrum: Tune Spec :Average 488-490(5.96-5.97) Bgrd 483(5.93)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 261

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|------|
| 36.00 | 84 | 115.00 | 94 | 187.00 | 1304 | 273.00 | 642 |
| 37.00 | 42 | 116.00 | 306 | 188.00 | 125 | 274.00 | 1607 |
| 38.00 | 243 | 117.00 | 3167 | 189.00 | 327 | 275.00 | 9056 |
| 39.00 | 880 | 118.00 | 233 | 190.00 | 25 | 276.00 | 1187 |
| 43.00 | 258 | 119.00 | 77 | 191.00 | 175 | 277.00 | 766 |
| 44.00 | 45 | 120.00 | 94 | 192.00 | 419 | 278.00 | 87 |
| 46.00 | 60 | 121.00 | 27 | 193.00 | 461 | 280.00 | 16 |
| 48.00 | 38 | 122.00 | 309 | 194.00 | 117 | 281.00 | 90 |
| 49.00 | 178 | 123.00 | 423 | 195.00 | 133 | 282.00 | 92 |
| 50.00 | 3389 | 124.00 | 246 | 196.00 | 1152 | 283.00 | 87 |
| 51.00 | 10903 | 125.00 | 221 | 198.00 | 30488 | 284.00 | 27 |
| 52.00 | 671 | 126.00 | 134 | 199.00 | 2368 | 285.00 | 237 |
| 54.00 | 34 | 127.00 | 14391 | 200.00 | 176 | 289.00 | 52 |
| 55.00 | 154 | 128.00 | 1238 | 201.00 | 202 | 292.00 | 24 |
| 56.00 | 462 | 129.00 | 5995 | 203.00 | 211 | 293.00 | 150 |
| 57.00 | 821 | 130.00 | 506 | 204.00 | 1187 | 294.00 | 63 |
| 59.00 | 70 | 131.00 | 125 | 205.00 | 2124 | 295.00 | 69 |
| 60.00 | 165 | 133.00 | 197 | 206.00 | 8906 | 296.00 | 2078 |
| 61.00 | 82 | 134.00 | 163 | 207.00 | 1127 | 297.00 | 365 |
| 62.00 | 288 | 135.00 | 659 | 208.00 | 238 | 302.00 | 64 |
| 63.00 | 623 | 136.00 | 177 | 209.00 | 110 | 303.00 | 168 |
| 65.00 | 217 | 137.00 | 280 | 210.00 | 112 | 304.00 | 162 |
| 66.00 | 30 | 138.00 | 171 | 211.00 | 438 | 309.00 | 18 |
| 67.00 | 64 | 140.00 | 76 | 213.00 | 38 | 314.00 | 179 |
| 68.00 | 127 | 141.00 | 898 | 215.00 | 48 | 315.00 | 253 |
| 69.00 | 13727 | 142.00 | 266 | 216.00 | 254 | 316.00 | 163 |
| 70.00 | 276 | 143.00 | 128 | 217.00 | 2351 | 321.00 | 95 |
| 71.00 | 165 | 144.00 | 83 | 218.00 | 358 | 323.00 | 778 |
| 73.00 | 419 | 146.00 | 166 | 221.00 | 1813 | 324.00 | 139 |
| 74.00 | 1597 | 147.00 | 511 | 222.00 | 432 | 327.00 | 169 |
| 75.00 | 2186 | 148.00 | 1054 | 223.00 | 637 | 333.00 | 77 |
| 76.00 | 891 | 149.00 | 235 | 224.00 | 4824 | 334.00 | 364 |
| 77.00 | 15878 | 150.00 | 42 | 225.00 | 1247 | 335.00 | 111 |

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D\8270_11R_9.rsl\spectra.d

Injection Date: 06-Apr-2016 12:25:30

Spectrum: Tune Spec :Average 488-490(5.96-5.97) Bgrd 483(5.93)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 261

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|--------|------|--------|------|--------|-------|--------|-------|
| 78.00 | 1174 | 152.00 | 18 | 226.00 | 161 | 341.00 | 166 |
| 79.00 | 1204 | 153.00 | 247 | 227.00 | 1968 | 346.00 | 124 |
| 80.00 | 793 | 154.00 | 319 | 228.00 | 424 | 347.00 | 26 |
| 81.00 | 1024 | 155.00 | 459 | 229.00 | 409 | 352.00 | 213 |
| 82.00 | 128 | 156.00 | 473 | 230.00 | 16 | 353.00 | 172 |
| 83.00 | 221 | 157.00 | 151 | 231.00 | 331 | 354.00 | 269 |
| 84.00 | 186 | 158.00 | 231 | 234.00 | 148 | 355.00 | 42 |
| 85.00 | 229 | 159.00 | 87 | 235.00 | 166 | 365.00 | 1055 |
| 86.00 | 441 | 160.00 | 185 | 236.00 | 136 | 366.00 | 161 |
| 87.00 | 199 | 161.00 | 355 | 237.00 | 87 | 372.00 | 327 |
| 88.00 | 90 | 162.00 | 25 | 239.00 | 78 | 373.00 | 82 |
| 90.00 | 29 | 164.00 | 108 | 240.00 | 40 | 382.00 | 18 |
| 91.00 | 287 | 165.00 | 386 | 241.00 | 167 | 383.00 | 109 |
| 92.00 | 350 | 166.00 | 207 | 242.00 | 261 | 391.00 | 17 |
| 93.00 | 2010 | 167.00 | 1519 | 243.00 | 263 | 402.00 | 124 |
| 94.00 | 172 | 168.00 | 699 | 244.00 | 3457 | 403.00 | 274 |
| 95.00 | 23 | 169.00 | 149 | 245.00 | 637 | 404.00 | 53 |
| 97.00 | 34 | 170.00 | 147 | 246.00 | 692 | 417.00 | 17 |
| 98.00 | 1502 | 171.00 | 126 | 247.00 | 168 | 421.00 | 102 |
| 99.00 | 919 | 172.00 | 196 | 248.00 | 24 | 422.00 | 183 |
| 100.00 | 101 | 173.00 | 301 | 249.00 | 127 | 423.00 | 1397 |
| 101.00 | 493 | 174.00 | 413 | 251.00 | 45 | 424.00 | 345 |
| 102.00 | 87 | 175.00 | 814 | 252.00 | 24 | 437.00 | 33 |
| 103.00 | 221 | 176.00 | 210 | 253.00 | 195 | 438.00 | 60 |
| 104.00 | 577 | 177.00 | 257 | 254.00 | 231 | 439.00 | 91 |
| 105.00 | 401 | 178.00 | 64 | 255.00 | 18736 | 440.00 | 105 |
| 106.00 | 141 | 179.00 | 1200 | 256.00 | 2885 | 441.00 | 3139 |
| 107.00 | 4685 | 180.00 | 841 | 257.00 | 235 | 442.00 | 19904 |
| 108.00 | 689 | 181.00 | 478 | 258.00 | 913 | 443.00 | 4020 |
| 110.00 | 8473 | 182.00 | 77 | 259.00 | 108 | 444.00 | 353 |
| 111.00 | 1309 | 184.00 | 129 | 264.00 | 37 | | |
| 112.00 | 83 | 185.00 | 679 | 265.00 | 472 | | |
| 113.00 | 110 | 186.00 | 4524 | 267.00 | 27 | | |

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D
Injection Date: 06-Apr-2016 12:25:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

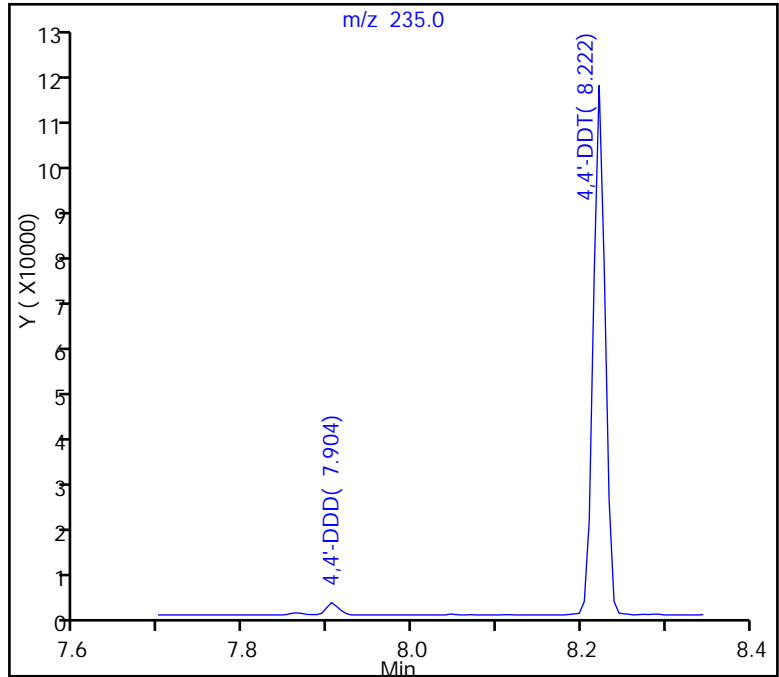
127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 108351
126 4,4'-DDD, Area = 2638
125 4,4'-DDE, Area = 0

%Breakdown: 2.38%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D
Injection Date: 06-Apr-2016 12:25:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

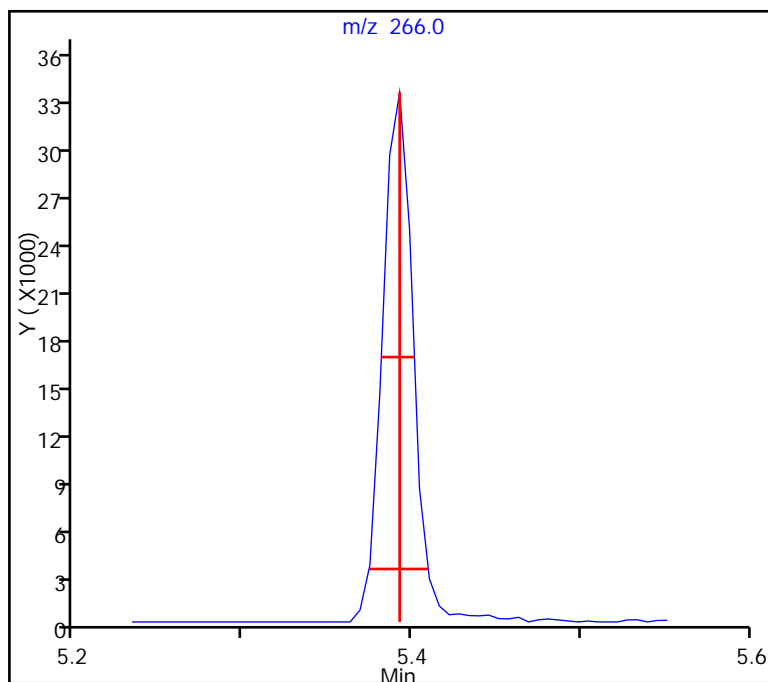
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D
Injection Date: 06-Apr-2016 12:25:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

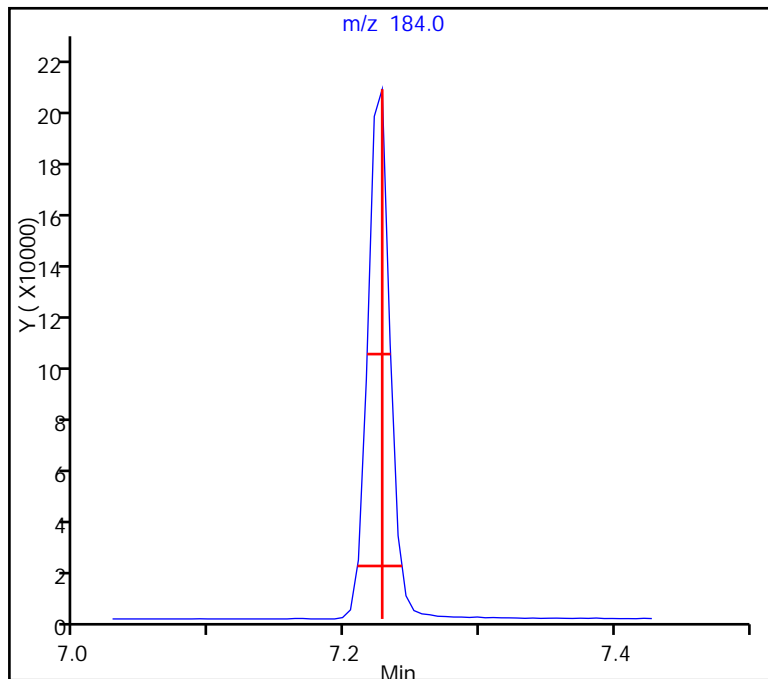
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 0.8, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178483.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 12-Apr-2016 06:26:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039738-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:32:18 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: manlangitf

Date: 12-Apr-2016 07:07:53

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 30 Pentachlorophenol_T | 266 | 5.022 | 5.022 | 0.000 | 92 | 5226 | NR | NR | |
| 56 Benzidine_T | 184 | 6.845 | 6.845 | 0.000 | 99 | 190223 | NR | NR | |
| 124 DFTPP | | | | | | | | | |
| 126 4,4'-DDD | 235 | 7.581 | 7.581 | 0.000 | 94 | 3574 | | NR | |
| 125 4,4'-DDE | 246 | 7.840 | 7.840 | 0.000 | 54 | 5810 | | NR | |
| 127 4,4'-DDT | 235 | 7.840 | 7.840 | 0.000 | 99 | 96263 | NR | NR | |

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178483.D

Injection Date: 12-Apr-2016 06:26:30

Instrument ID: CBNAMS11

Lims ID: dftpp

Client ID:

Operator ID:

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

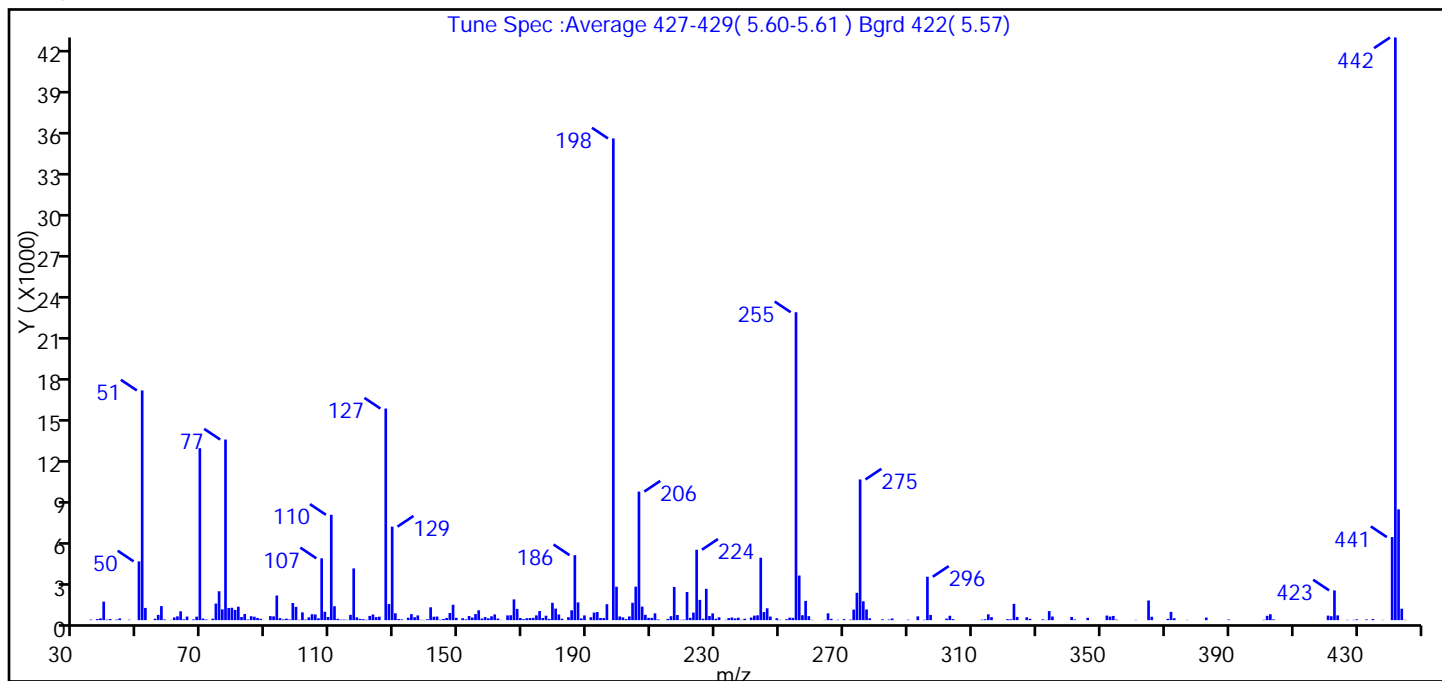
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Tune Method: DFTPP Method 8270

124 DFTPP



| m/z | Ion Abundance Criteria | % Relative Abundance |
|-----|------------------------------------|----------------------|
| 198 | Base peak, 100% relative abundance | 100.0 |
| 51 | 30-60% of mass 198 | 47.7 |
| 68 | <2% of mass 69 | 0.7 (2.0) |
| 69 | Present | 35.7 |
| 70 | <2% of mass 69 | 0.3 (0.9) |
| 127 | 40-60% of mass 198 | 43.9 |
| 197 | <1% of mass 198 | 0.0 |
| 199 | 5-9% of mass 198 | 6.9 |
| 275 | 10-30% of mass 198 | 29.2 |
| 365 | >1% of mass 198 | 4.1 |
| 441 | Present but less than mass 443 | 17.2 (75.0) |
| 442 | >40% of mass 198 | 121.0 |
| 443 | 17-23% of mass 442 | 23.0 (19.0) |

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178483.D\8270_11R_9.rsl\spectra.d
Injection Date: 12-Apr-2016 06:26:30
Spectrum: Tune Spec :Average 427-429(5.60-5.61) Bgrd 422(5.57)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 272

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 35.00 | 41 | 116.00 | 386 | 189.00 | 344 | 270.00 | 74 |
| 37.00 | 77 | 117.00 | 3768 | 191.00 | 212 | 272.00 | 37 |
| 38.00 | 128 | 118.00 | 201 | 192.00 | 552 | 273.00 | 767 |
| 39.00 | 1347 | 119.00 | 89 | 193.00 | 590 | 274.00 | 1989 |
| 40.00 | 34 | 120.00 | 71 | 194.00 | 157 | 275.00 | 10245 |
| 41.00 | 83 | 121.00 | 27 | 195.00 | 153 | 276.00 | 1376 |
| 43.00 | 41 | 122.00 | 306 | 196.00 | 1159 | 277.00 | 776 |
| 44.00 | 127 | 123.00 | 410 | 198.00 | 35080 | 278.00 | 135 |
| 47.00 | 32 | 124.00 | 223 | 199.00 | 2430 | 282.00 | 61 |
| 50.00 | 4279 | 125.00 | 252 | 200.00 | 267 | 284.00 | 43 |
| 51.00 | 16728 | 127.00 | 15409 | 201.00 | 202 | 285.00 | 121 |
| 52.00 | 889 | 128.00 | 1179 | 202.00 | 79 | 290.00 | 34 |
| 55.00 | 105 | 129.00 | 6810 | 203.00 | 271 | 293.00 | 277 |
| 56.00 | 386 | 130.00 | 502 | 204.00 | 1265 | 295.00 | 29 |
| 57.00 | 1023 | 131.00 | 82 | 205.00 | 2439 | 296.00 | 3159 |
| 58.00 | 51 | 132.00 | 53 | 206.00 | 9363 | 297.00 | 378 |
| 60.00 | 17 | 134.00 | 175 | 207.00 | 987 | 302.00 | 111 |
| 61.00 | 197 | 135.00 | 440 | 208.00 | 386 | 303.00 | 319 |
| 62.00 | 277 | 136.00 | 213 | 209.00 | 165 | 304.00 | 74 |
| 63.00 | 641 | 137.00 | 346 | 210.00 | 166 | 313.00 | 36 |
| 64.00 | 65 | 138.00 | 22 | 211.00 | 497 | 314.00 | 65 |
| 65.00 | 262 | 139.00 | 18 | 212.00 | 50 | 315.00 | 423 |
| 67.00 | 59 | 140.00 | 67 | 215.00 | 91 | 316.00 | 219 |
| 68.00 | 254 | 141.00 | 935 | 216.00 | 289 | 321.00 | 72 |
| 69.00 | 12521 | 142.00 | 251 | 217.00 | 2417 | 322.00 | 60 |
| 70.00 | 117 | 143.00 | 263 | 218.00 | 372 | 323.00 | 1187 |
| 71.00 | 49 | 144.00 | 32 | 219.00 | 24 | 324.00 | 232 |
| 73.00 | 108 | 145.00 | 85 | 220.00 | 36 | 327.00 | 210 |
| 74.00 | 1208 | 146.00 | 161 | 221.00 | 2050 | 328.00 | 95 |
| 75.00 | 2103 | 147.00 | 520 | 222.00 | 171 | 332.00 | 57 |
| 76.00 | 788 | 148.00 | 1119 | 223.00 | 550 | 333.00 | 20 |
| 77.00 | 13153 | 149.00 | 169 | 224.00 | 5130 | 334.00 | 657 |
| 78.00 | 881 | 151.00 | 140 | 225.00 | 1477 | 335.00 | 264 |

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178483.D\8270_11R_9.rsl\spectra.d

Injection Date: 12-Apr-2016 06:26:30

Spectrum: Tune Spec :Average 427-429(5.60-5.61) Bgrd 422(5.57)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 272

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|--------|------|--------|------|--------|-------|--------|-------|
| 79.00 | 902 | 152.00 | 57 | 226.00 | 100 | 341.00 | 232 |
| 80.00 | 746 | 153.00 | 300 | 227.00 | 2278 | 342.00 | 47 |
| 81.00 | 981 | 154.00 | 189 | 228.00 | 298 | 346.00 | 167 |
| 82.00 | 226 | 155.00 | 444 | 229.00 | 491 | 352.00 | 333 |
| 83.00 | 451 | 156.00 | 716 | 230.00 | 97 | 353.00 | 261 |
| 84.00 | 46 | 157.00 | 119 | 231.00 | 208 | 354.00 | 307 |
| 85.00 | 287 | 158.00 | 221 | 233.00 | 21 | 355.00 | 41 |
| 86.00 | 249 | 159.00 | 133 | 234.00 | 149 | 361.00 | 21 |
| 87.00 | 157 | 160.00 | 278 | 235.00 | 191 | 365.00 | 1431 |
| 88.00 | 95 | 161.00 | 416 | 236.00 | 125 | 366.00 | 246 |
| 91.00 | 292 | 162.00 | 118 | 237.00 | 178 | 371.00 | 92 |
| 92.00 | 275 | 163.00 | 17 | 238.00 | 22 | 372.00 | 602 |
| 93.00 | 1792 | 165.00 | 346 | 239.00 | 99 | 373.00 | 141 |
| 94.00 | 144 | 166.00 | 356 | 241.00 | 191 | 377.00 | 19 |
| 95.00 | 55 | 167.00 | 1512 | 242.00 | 328 | 383.00 | 188 |
| 96.00 | 109 | 168.00 | 818 | 243.00 | 353 | 390.00 | 46 |
| 97.00 | 46 | 169.00 | 156 | 244.00 | 4548 | 401.00 | 29 |
| 98.00 | 1249 | 170.00 | 69 | 245.00 | 590 | 402.00 | 316 |
| 99.00 | 967 | 171.00 | 138 | 246.00 | 863 | 403.00 | 431 |
| 100.00 | 25 | 172.00 | 154 | 247.00 | 262 | 404.00 | 58 |
| 101.00 | 568 | 173.00 | 168 | 249.00 | 138 | 421.00 | 329 |
| 102.00 | 41 | 174.00 | 349 | 250.00 | 26 | 422.00 | 284 |
| 103.00 | 203 | 175.00 | 662 | 252.00 | 67 | 423.00 | 2166 |
| 104.00 | 429 | 176.00 | 157 | 253.00 | 184 | 424.00 | 347 |
| 105.00 | 414 | 177.00 | 323 | 254.00 | 167 | 427.00 | 23 |
| 106.00 | 132 | 178.00 | 88 | 255.00 | 22424 | 429.00 | 25 |
| 107.00 | 4503 | 179.00 | 1263 | 256.00 | 3248 | 430.00 | 58 |
| 108.00 | 610 | 180.00 | 842 | 257.00 | 359 | 433.00 | 51 |
| 109.00 | 231 | 181.00 | 410 | 258.00 | 1402 | 435.00 | 80 |
| 110.00 | 7672 | 182.00 | 104 | 259.00 | 288 | 438.00 | 17 |
| 111.00 | 1012 | 184.00 | 213 | 260.00 | 19 | 441.00 | 6050 |
| 112.00 | 95 | 185.00 | 717 | 264.00 | 18 | 442.00 | 42432 |
| 113.00 | 37 | 186.00 | 4733 | 265.00 | 498 | 443.00 | 8066 |
| 114.00 | 42 | 187.00 | 1293 | 266.00 | 95 | 444.00 | 832 |

Report Date: 12-Apr-2016 11:32:21

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178483.D\8270_11R_9.rslt\spectra.d

Injection Date: 12-Apr-2016 06:26:30

Spectrum: Tune Spec :Average 427-429(5.60-5.61) Bgrd 422(5.57)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 272

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|--------|----|--------|-----|--------|----|--------|----|
| 115.00 | 20 | 188.00 | 128 | 268.00 | 25 | 445.00 | 19 |

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178483.D

Injection Date: 12-Apr-2016 06:26:30

Instrument ID: CBNAMS11

Lims ID: dftpp

Client ID:

Operator ID:

ALS Bottle#:

1

Worklist Smp#:

1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =

$$\left(\frac{\text{Area Breakdown Cpnds}}{\text{Total Area Breakdown Cpnds}} \right) * 100$$

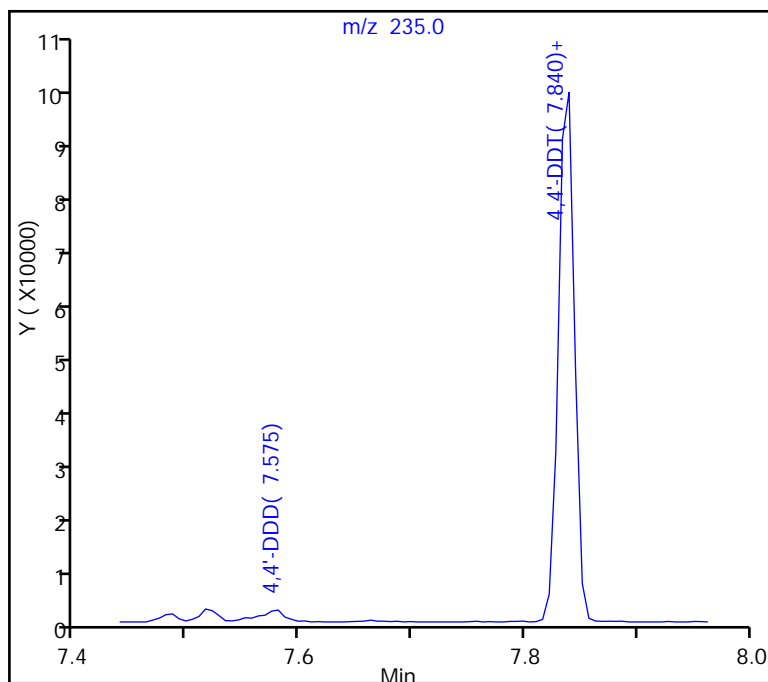
127 4,4'-DDT, Area = 96263

126 4,4'-DDD, Area = 3574

125 4,4'-DDE, Area = 5810

%Breakdown: 8.88%, Max Limit: 20.00%

Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178483.D
Injection Date: 12-Apr-2016 06:26:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

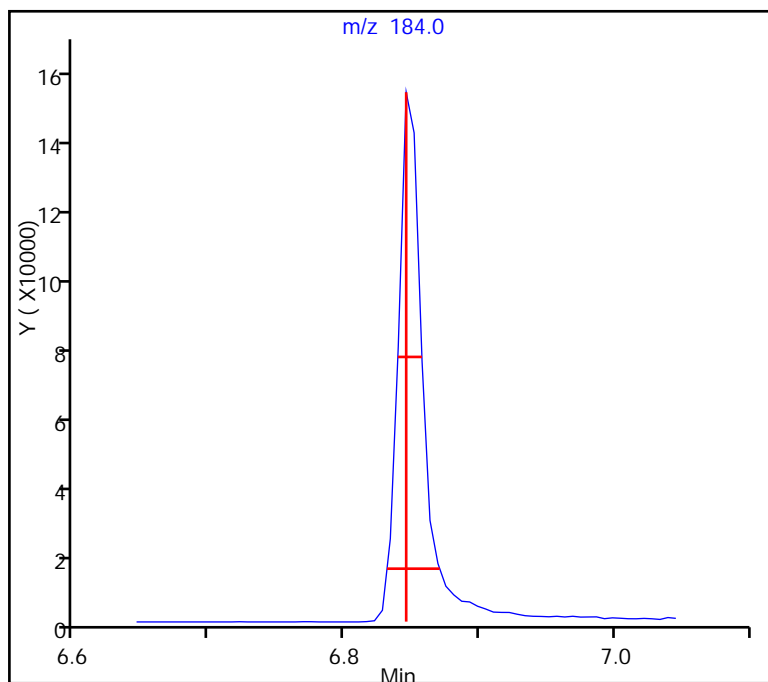
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.025 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.7, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178483.D
Injection Date: 12-Apr-2016 06:26:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

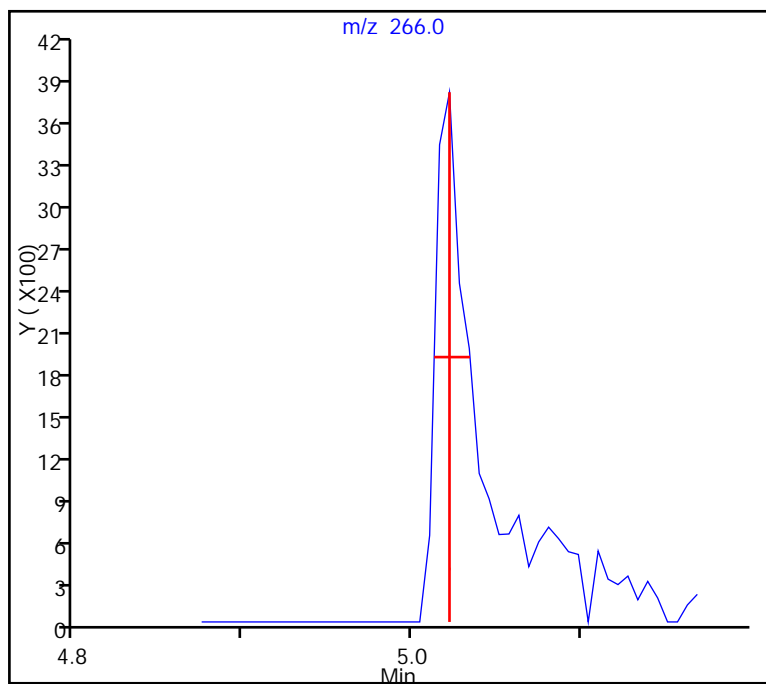
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.000 (min.)
Front Width = 0.000 (min.)

Tailing Factor = 0.0, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 11-Apr-2016 10:12:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-001
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:14 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: manlangitf

Date: 11-Apr-2016 10:55:17

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 23 Pentachlorophenol_T | 266 | 5.404 | 5.404 | 0.000 | 91 | 36410 | NR | NR | |
| 47 Benzidine_T | 184 | 7.234 | 7.234 | 0.000 | 99 | 172952 | NR | NR | |
| 121 DFTPP | | | | | | | | | |
| 124 4,4'-DDT | 235 | 8.228 | 8.228 | 0.000 | 97 | 79888 | NR | NR | |

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

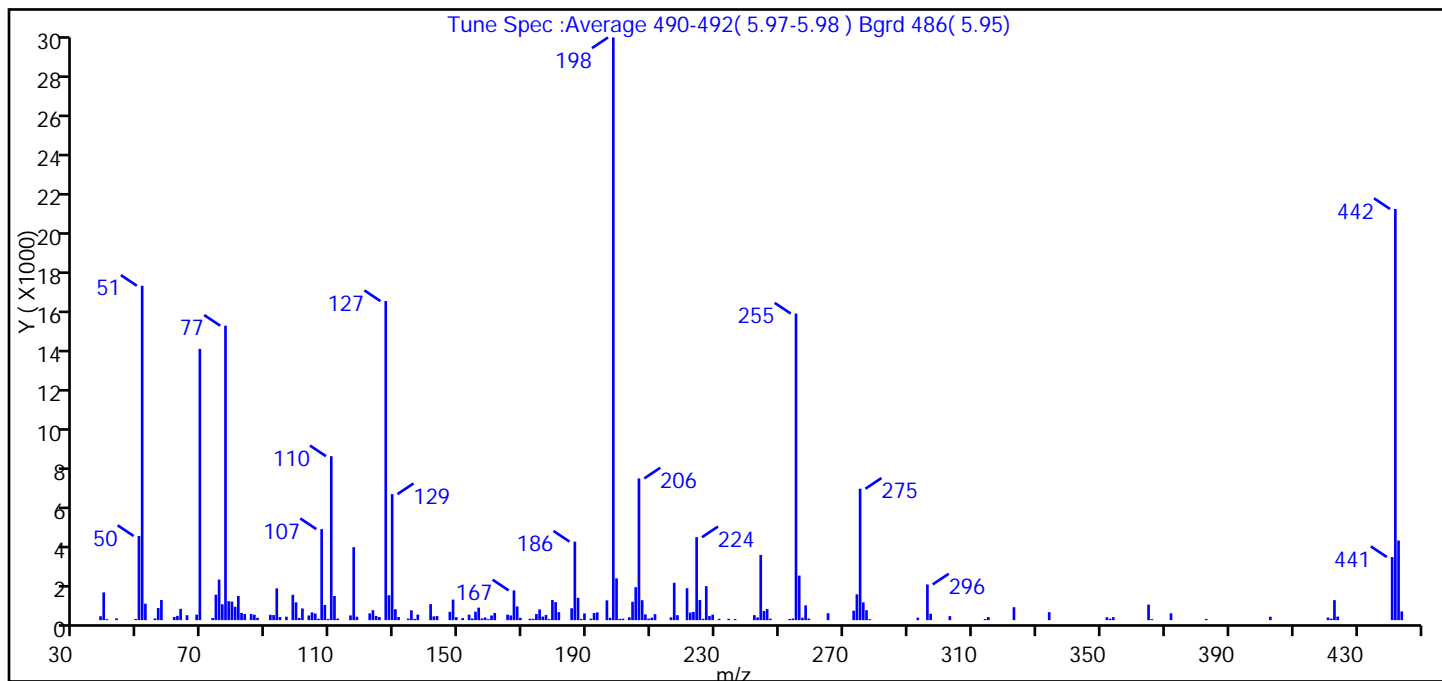
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D
Injection Date: 11-Apr-2016 10:12:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Tune Method: DFTPP Method 8270

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

121 DFTPP



| m/z | Ion Abundance Criteria | % Relative Abundance |
|-----|------------------------------------|----------------------|
| 198 | Base peak, 100% relative abundance | 100.0 |
| 51 | 30-60% of mass 198 | 57.4 |
| 68 | <2% of mass 69 | 0.9 (2.0) |
| 69 | Present | 46.5 |
| 70 | <2% of mass 69 | 0.0 (0.0) |
| 127 | 40-60% of mass 198 | 54.8 |
| 197 | <1% of mass 198 | 0.4 |
| 199 | 5-9% of mass 198 | 7.2 |
| 275 | 10-30% of mass 198 | 22.6 |
| 365 | >1% of mass 198 | 2.7 |
| 441 | Present but less than mass 443 | 10.8 (79.3) |
| 442 | >40% of mass 198 | 70.6 |
| 443 | 17-23% of mass 442 | 13.7 (19.4) |

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D\8270_12R_9.rsl\spectra.d
Injection Date: 11-Apr-2016 10:12:30
Spectrum: Tune Spec :Average 490-492(5.97-5.98) Bgrd 486(5.95)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 179

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 38.00 | 198 | 108.00 | 763 | 175.00 | 539 | 242.00 | 253 |
| 39.00 | 1397 | 109.00 | 62 | 176.00 | 180 | 243.00 | 141 |
| 40.00 | 53 | 110.00 | 8253 | 177.00 | 263 | 244.00 | 3282 |
| 43.00 | 90 | 111.00 | 1215 | 178.00 | 53 | 245.00 | 460 |
| 49.00 | 58 | 112.00 | 78 | 179.00 | 1012 | 246.00 | 559 |
| 50.00 | 4236 | 116.00 | 238 | 180.00 | 905 | 247.00 | 75 |
| 51.00 | 16832 | 117.00 | 3673 | 181.00 | 401 | 253.00 | 58 |
| 52.00 | 828 | 118.00 | 172 | 185.00 | 598 | 254.00 | 82 |
| 55.00 | 85 | 122.00 | 340 | 186.00 | 3951 | 255.00 | 15433 |
| 56.00 | 609 | 123.00 | 503 | 187.00 | 1124 | 256.00 | 2242 |
| 57.00 | 1015 | 124.00 | 210 | 188.00 | 60 | 257.00 | 122 |
| 61.00 | 158 | 125.00 | 156 | 189.00 | 337 | 258.00 | 742 |
| 62.00 | 216 | 127.00 | 16060 | 191.00 | 72 | 259.00 | 79 |
| 63.00 | 570 | 128.00 | 1253 | 192.00 | 360 | 265.00 | 349 |
| 65.00 | 248 | 129.00 | 6344 | 193.00 | 388 | 273.00 | 475 |
| 68.00 | 275 | 130.00 | 549 | 196.00 | 998 | 274.00 | 1297 |
| 69.00 | 13652 | 131.00 | 157 | 197.00 | 117 | 275.00 | 6615 |
| 73.00 | 108 | 134.00 | 78 | 198.00 | 29328 | 276.00 | 895 |
| 74.00 | 1280 | 135.00 | 496 | 199.00 | 2102 | 277.00 | 502 |
| 75.00 | 2043 | 136.00 | 63 | 200.00 | 65 | 278.00 | 51 |
| 76.00 | 797 | 137.00 | 278 | 201.00 | 72 | 293.00 | 125 |
| 77.00 | 14821 | 141.00 | 806 | 203.00 | 147 | 296.00 | 1799 |
| 78.00 | 955 | 142.00 | 190 | 204.00 | 925 | 297.00 | 322 |
| 79.00 | 935 | 143.00 | 206 | 205.00 | 1658 | 303.00 | 204 |
| 80.00 | 674 | 147.00 | 419 | 206.00 | 7134 | 314.00 | 55 |
| 81.00 | 1218 | 148.00 | 1033 | 207.00 | 1004 | 315.00 | 157 |
| 82.00 | 363 | 149.00 | 150 | 208.00 | 291 | 323.00 | 651 |
| 83.00 | 308 | 151.00 | 104 | 209.00 | 75 | 334.00 | 401 |
| 85.00 | 311 | 153.00 | 275 | 210.00 | 127 | 352.00 | 148 |
| 86.00 | 275 | 154.00 | 83 | 211.00 | 302 | 353.00 | 73 |
| 87.00 | 119 | 155.00 | 427 | 216.00 | 141 | 354.00 | 149 |
| 91.00 | 271 | 156.00 | 631 | 217.00 | 1881 | 365.00 | 781 |
| 92.00 | 256 | 157.00 | 84 | 218.00 | 251 | 366.00 | 53 |

Report Date: 11-Apr-2016 23:29:16

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D\8270_12R_9.rsl\spectra.d

Injection Date: 11-Apr-2016 10:12:30

Spectrum: Tune Spec :Average 490-492(5.97-5.98) Bgrd 486(5.95)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 179

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|--------|------|--------|------|--------|------|--------|-------|
| 93.00 | 1599 | 158.00 | 136 | 221.00 | 1609 | 372.00 | 344 |
| 94.00 | 157 | 159.00 | 52 | 222.00 | 383 | 383.00 | 64 |
| 96.00 | 172 | 160.00 | 236 | 223.00 | 413 | 403.00 | 171 |
| 98.00 | 1277 | 161.00 | 363 | 224.00 | 4174 | 421.00 | 131 |
| 99.00 | 898 | 165.00 | 278 | 225.00 | 1015 | 422.00 | 73 |
| 100.00 | 114 | 166.00 | 239 | 226.00 | 68 | 423.00 | 1006 |
| 101.00 | 588 | 167.00 | 1497 | 227.00 | 1711 | 424.00 | 177 |
| 103.00 | 235 | 168.00 | 689 | 228.00 | 204 | 441.00 | 3176 |
| 104.00 | 389 | 169.00 | 117 | 229.00 | 276 | 442.00 | 20696 |
| 105.00 | 332 | 172.00 | 73 | 231.00 | 66 | 443.00 | 4007 |
| 106.00 | 71 | 173.00 | 69 | 234.00 | 68 | 444.00 | 440 |
| 107.00 | 4581 | 174.00 | 307 | 236.00 | 54 | | |

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D
Injection Date: 11-Apr-2016 10:12:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

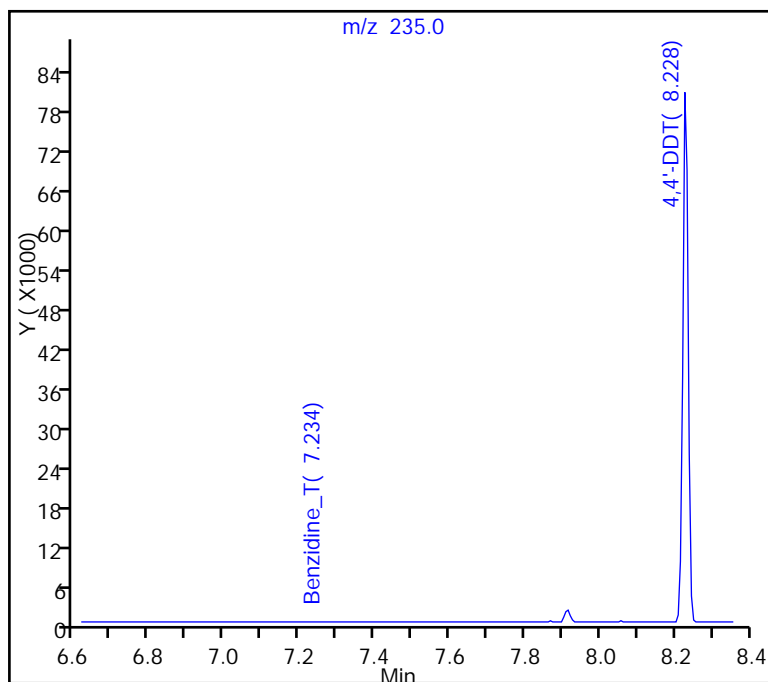
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 79888

123 4,4'-DDD, Area = 0

122 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D
Injection Date: 11-Apr-2016 10:12:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

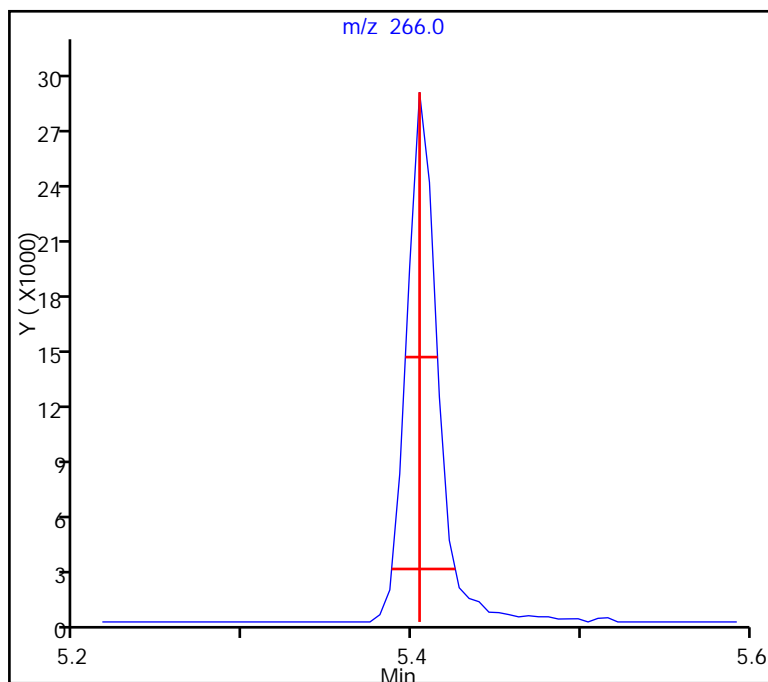
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

23 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D
Injection Date: 11-Apr-2016 10:12:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

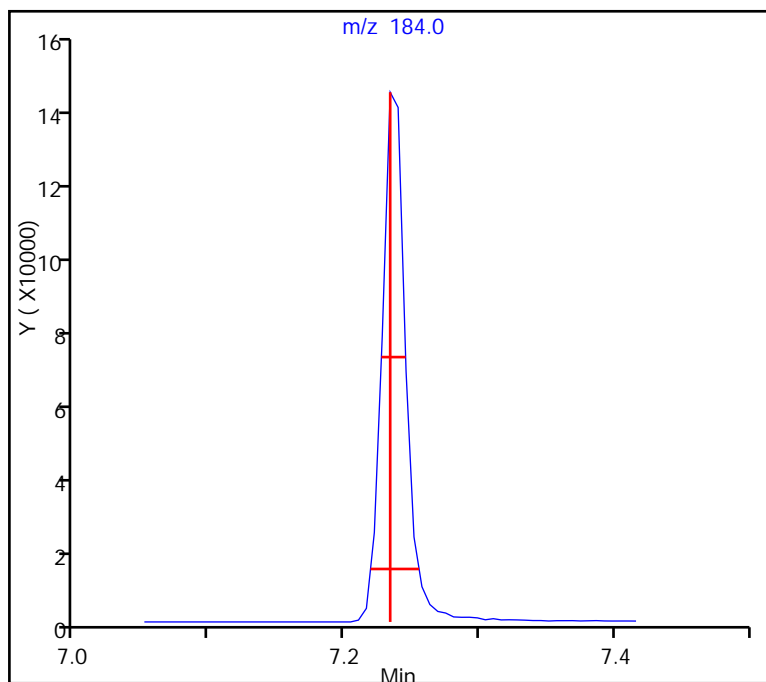
47 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132509.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 11-Apr-2016 19:29:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039729-001
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:44:18 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: croccom

Date: 11-Apr-2016 19:44:17

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 23 Pentachlorophenol_T | 266 | 5.410 | 5.410 | 0.000 | 91 | 29185 | NR | NR | |
| 47 Benzidine_T | 184 | 7.239 | 7.239 | 0.000 | 100 | 152394 | NR | NR | |
| 121 DFTPP | | | | | | | | | |
| 123 4,4'-DDD | 235 | 7.916 | 7.916 | 0.000 | 1 | 1535 | | NR | |
| 124 4,4'-DDT | 235 | 8.234 | 8.234 | 0.000 | 98 | 68084 | NR | NR | |

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

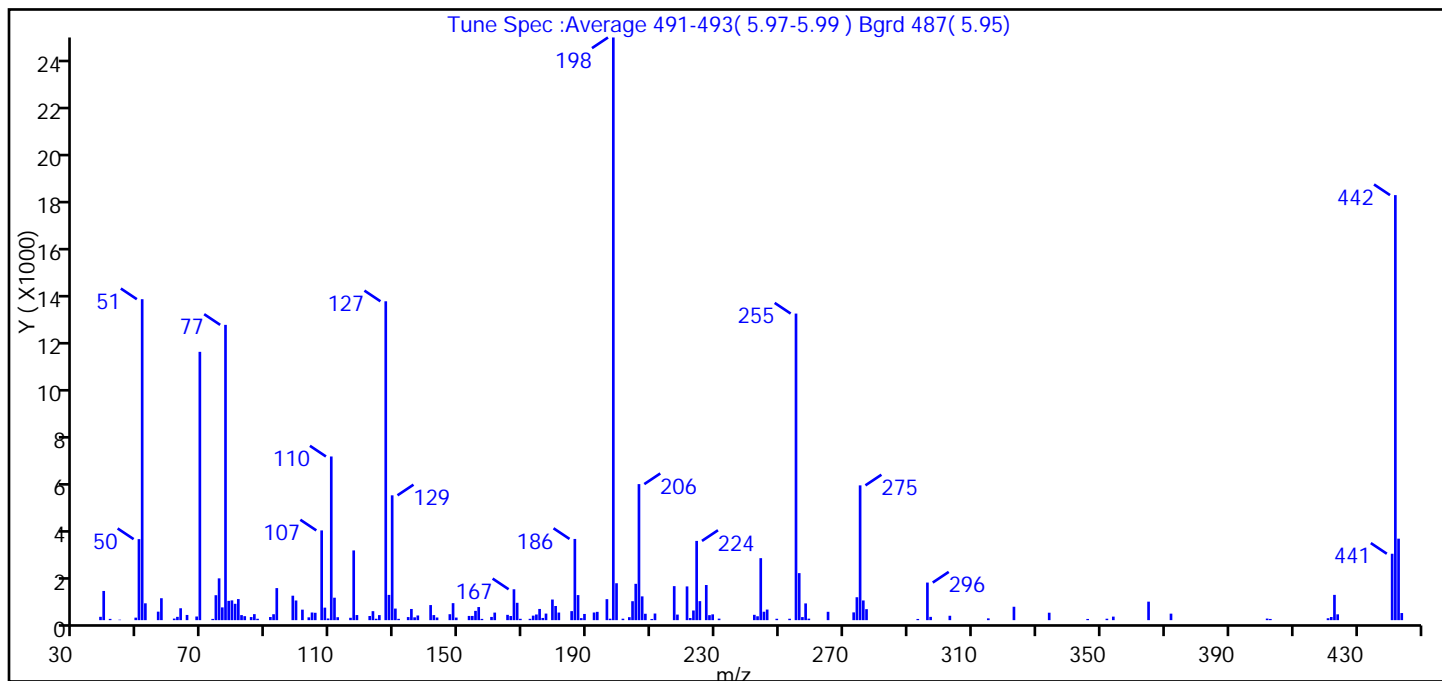
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132509.D
 Injection Date: 11-Apr-2016 19:29:30 Instrument ID: CBNAMS12
 Lims ID: dftpp
 Client ID:
 Operator ID:
 Injection Vol: 1.0 ul
 Method: 8270_12R_9
 Tune Method: DFTPP Method 8270

ALS Bottle#: 1 Worklist Smp#: 1
 Dil. Factor: 1.0000
 Limit Group: SV 8270D ICAL

121 DFTPP



| m/z | Ion Abundance Criteria | % Relative Abundance |
|-----|------------------------------------|----------------------|
| 198 | Base peak, 100% relative abundance | 100.0 |
| 51 | 30-60% of mass 198 | 55.1 |
| 68 | <2% of mass 69 | 0.6 (1.4) |
| 69 | Present | 46.0 |
| 70 | <2% of mass 69 | 0.0 (0.0) |
| 127 | 40-60% of mass 198 | 54.7 |
| 197 | <1% of mass 198 | 0.2 |
| 199 | 5-9% of mass 198 | 6.3 |
| 275 | 10-30% of mass 198 | 23.1 |
| 365 | >1% of mass 198 | 3.2 |
| 441 | Present but less than mass 443 | 11.4 (81.5) |
| 442 | >40% of mass 198 | 72.9 |
| 443 | 17-23% of mass 442 | 14.0 (19.2) |

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132509.D\8270_12R_9.rsl\spectra.d
Injection Date: 11-Apr-2016 19:29:30
Spectrum: Tune Spec :Average 491-493(5.97-5.99) Bgrd 487(5.95)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 159

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 38.00 | 142 | 108.00 | 535 | 173.00 | 193 | 243.00 | 166 |
| 39.00 | 1249 | 109.00 | 71 | 174.00 | 242 | 244.00 | 2652 |
| 41.00 | 54 | 110.00 | 7002 | 175.00 | 479 | 245.00 | 360 |
| 44.00 | 19 | 111.00 | 960 | 176.00 | 94 | 246.00 | 453 |
| 49.00 | 107 | 112.00 | 125 | 177.00 | 281 | 249.00 | 59 |
| 50.00 | 3466 | 116.00 | 101 | 179.00 | 882 | 253.00 | 60 |
| 51.00 | 13731 | 117.00 | 2983 | 180.00 | 605 | 255.00 | 13116 |
| 52.00 | 720 | 118.00 | 218 | 181.00 | 325 | 256.00 | 2012 |
| 56.00 | 363 | 122.00 | 177 | 185.00 | 386 | 257.00 | 131 |
| 57.00 | 938 | 123.00 | 384 | 186.00 | 3474 | 258.00 | 716 |
| 61.00 | 67 | 124.00 | 60 | 187.00 | 1072 | 259.00 | 65 |
| 62.00 | 141 | 125.00 | 215 | 188.00 | 86 | 265.00 | 357 |
| 63.00 | 509 | 127.00 | 13642 | 189.00 | 265 | 273.00 | 332 |
| 65.00 | 222 | 128.00 | 1080 | 192.00 | 327 | 274.00 | 980 |
| 68.00 | 156 | 129.00 | 5340 | 193.00 | 355 | 275.00 | 5766 |
| 69.00 | 11479 | 130.00 | 495 | 196.00 | 898 | 276.00 | 842 |
| 73.00 | 53 | 131.00 | 56 | 197.00 | 62 | 277.00 | 470 |
| 74.00 | 1067 | 134.00 | 131 | 198.00 | 24928 | 293.00 | 51 |
| 75.00 | 1788 | 135.00 | 478 | 199.00 | 1579 | 296.00 | 1608 |
| 76.00 | 546 | 136.00 | 120 | 201.00 | 62 | 297.00 | 140 |
| 77.00 | 12633 | 137.00 | 200 | 203.00 | 127 | 303.00 | 187 |
| 78.00 | 826 | 141.00 | 645 | 204.00 | 810 | 315.00 | 76 |
| 79.00 | 846 | 142.00 | 216 | 205.00 | 1554 | 323.00 | 573 |
| 80.00 | 699 | 143.00 | 113 | 206.00 | 5820 | 334.00 | 318 |
| 81.00 | 901 | 147.00 | 254 | 207.00 | 1017 | 346.00 | 51 |
| 82.00 | 216 | 148.00 | 727 | 208.00 | 273 | 352.00 | 61 |
| 83.00 | 170 | 149.00 | 110 | 210.00 | 50 | 354.00 | 151 |
| 85.00 | 132 | 153.00 | 180 | 211.00 | 283 | 365.00 | 791 |
| 86.00 | 257 | 154.00 | 180 | 217.00 | 1455 | 372.00 | 278 |
| 87.00 | 59 | 155.00 | 397 | 218.00 | 238 | 402.00 | 67 |
| 91.00 | 134 | 156.00 | 560 | 221.00 | 1443 | 403.00 | 51 |
| 92.00 | 253 | 157.00 | 54 | 222.00 | 91 | 421.00 | 81 |
| 93.00 | 1371 | 160.00 | 137 | 223.00 | 413 | 422.00 | 134 |

Report Date: 12-Apr-2016 11:44:19

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132509.D\8270_12R_9.rslt\spectra.d

Injection Date: 11-Apr-2016 19:29:30

Spectrum: Tune Spec :Average 491-493(5.97-5.99) Bgrd 487(5.95)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 159

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|--------|------|--------|------|--------|------|--------|-------|
| 98.00 | 1046 | 161.00 | 323 | 224.00 | 3390 | 423.00 | 1081 |
| 99.00 | 841 | 165.00 | 227 | 225.00 | 813 | 424.00 | 249 |
| 101.00 | 449 | 166.00 | 177 | 227.00 | 1503 | 441.00 | 2841 |
| 103.00 | 120 | 167.00 | 1321 | 228.00 | 214 | 442.00 | 18184 |
| 104.00 | 327 | 168.00 | 742 | 229.00 | 248 | 443.00 | 3486 |
| 105.00 | 315 | 169.00 | 58 | 231.00 | 65 | 444.00 | 304 |
| 107.00 | 3839 | 172.00 | 57 | 242.00 | 228 | | |

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132509.D
Injection Date: 11-Apr-2016 19:29:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

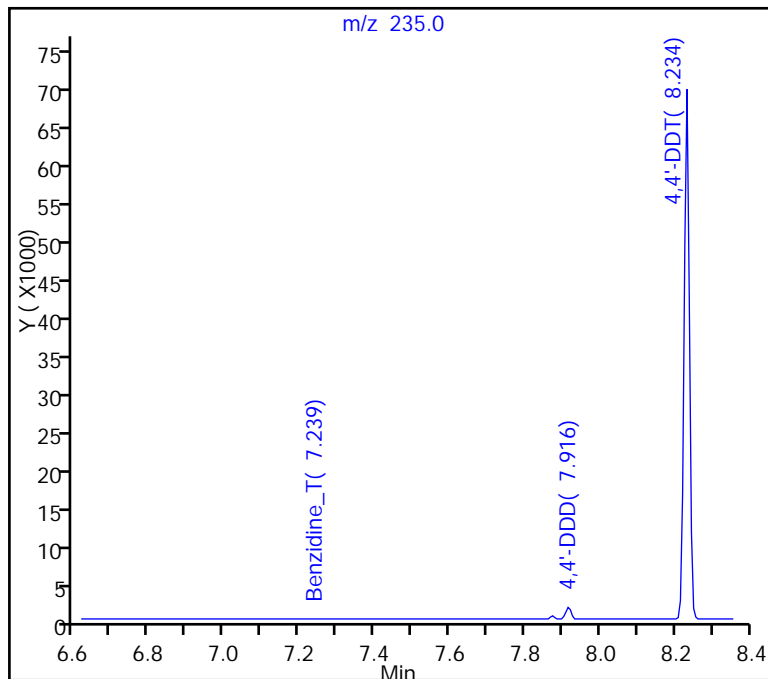
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 68084

123 4,4'-DDD, Area = 1535

122 4,4'-DDE, Area = 0

%Breakdown: 2.20%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132509.D
Injection Date: 11-Apr-2016 19:29:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

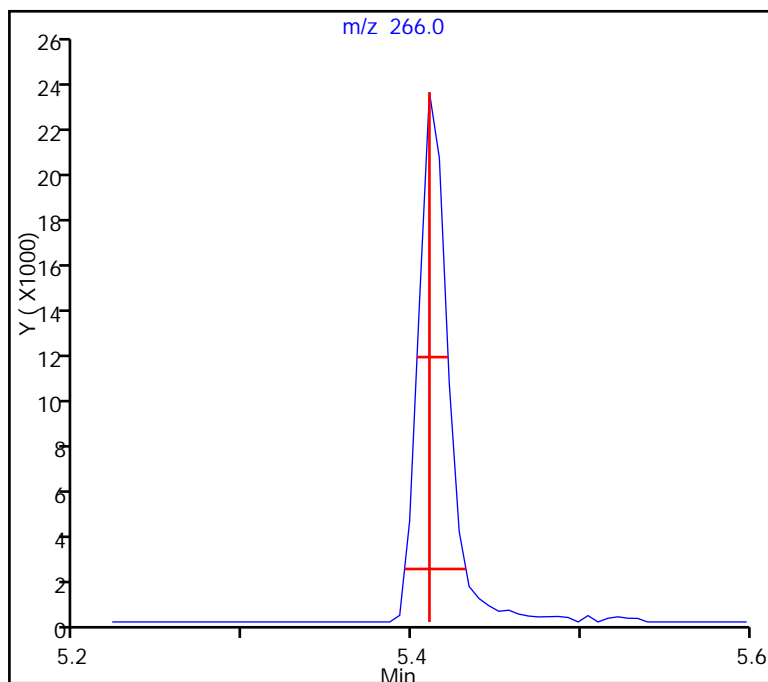
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

23 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132509.D
Injection Date: 11-Apr-2016 19:29:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

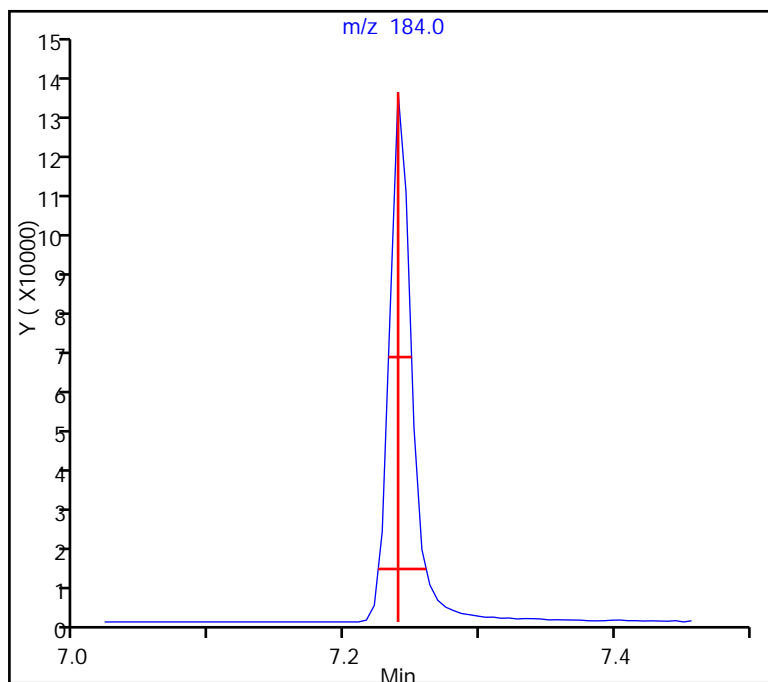
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

47 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 13-Apr-2016 04:06:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-001
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:54:09 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: manlangitf

Date: 13-Apr-2016 04:55:52

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 23 Pentachlorophenol_T | 266 | 5.269 | 5.269 | 0.000 | 91 | 20552 | NR | NR | |
| 47 Benzidine_T | 184 | 7.098 | 7.098 | 0.000 | 100 | 185338 | NR | NR | |
| 121 DFTPP | | | | | | | | | |
| 123 4,4'-DDD | 235 | 7.775 | 7.775 | 0.000 | 95 | 1844 | | NR | |
| 124 4,4'-DDT | 235 | 8.092 | 8.092 | 0.000 | 97 | 73316 | NR | NR | |

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

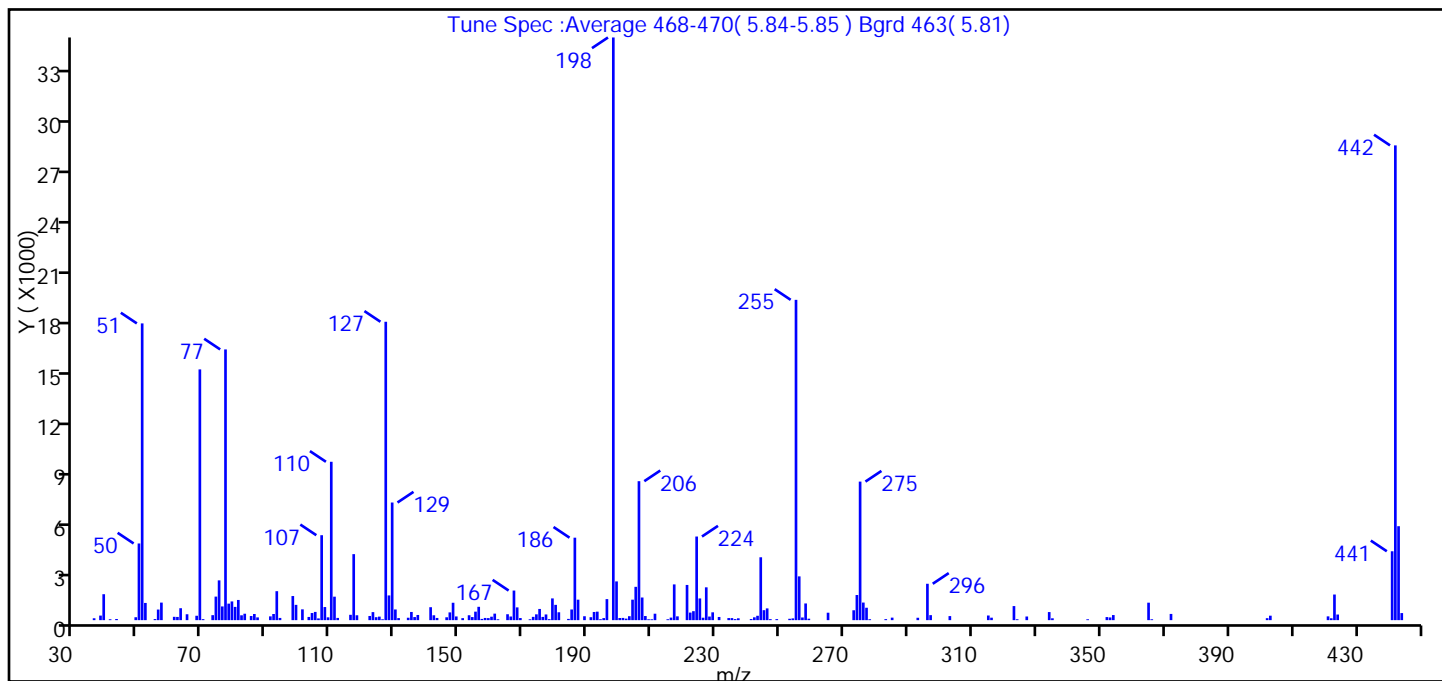
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D
Injection Date: 13-Apr-2016 04:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

121 DFTPP



| m/z | Ion Abundance Criteria | % Relative Abundance |
|-----|------------------------------------|----------------------|
| 198 | Base peak, 100% relative abundance | 100.0 |
| 51 | 30-60% of mass 198 | 50.9 |
| 68 | <2% of mass 69 | 0.8 (1.7) |
| 69 | Present | 43.0 |
| 70 | <2% of mass 69 | 0.2 (0.4) |
| 127 | 40-60% of mass 198 | 51.2 |
| 197 | <1% of mass 198 | 0.0 |
| 199 | 5-9% of mass 198 | 6.6 |
| 275 | 10-30% of mass 198 | 23.8 |
| 365 | >1% of mass 198 | 3.0 |
| 441 | Present but less than mass 443 | 11.8 (73.3) |
| 442 | >40% of mass 198 | 81.5 |
| 443 | 17-23% of mass 442 | 16.1 (19.8) |

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D\8270_12R_9.rsl\spectra.d
Injection Date: 13-Apr-2016 04:06:30
Spectrum: Tune Spec :Average 468-470(5.84-5.85) Bgrd 463(5.81)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 195

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 36.00 | 110 | 112.00 | 130 | 180.00 | 893 | 245.00 | 582 |
| 38.00 | 266 | 116.00 | 312 | 181.00 | 460 | 246.00 | 686 |
| 39.00 | 1515 | 117.00 | 3856 | 184.00 | 73 | 247.00 | 58 |
| 41.00 | 52 | 118.00 | 285 | 185.00 | 623 | 249.00 | 60 |
| 43.00 | 67 | 122.00 | 243 | 186.00 | 4817 | 253.00 | 80 |
| 49.00 | 170 | 123.00 | 469 | 187.00 | 1196 | 254.00 | 103 |
| 50.00 | 4479 | 124.00 | 172 | 189.00 | 228 | 255.00 | 18712 |
| 51.00 | 17336 | 125.00 | 206 | 191.00 | 172 | 256.00 | 2557 |
| 52.00 | 1005 | 126.00 | 51 | 192.00 | 477 | 257.00 | 156 |
| 55.00 | 63 | 127.00 | 17432 | 193.00 | 496 | 258.00 | 975 |
| 56.00 | 619 | 128.00 | 1444 | 194.00 | 54 | 259.00 | 85 |
| 57.00 | 1025 | 129.00 | 6872 | 195.00 | 120 | 265.00 | 434 |
| 61.00 | 194 | 130.00 | 624 | 196.00 | 1229 | 273.00 | 577 |
| 62.00 | 187 | 131.00 | 120 | 198.00 | 34040 | 274.00 | 1468 |
| 63.00 | 697 | 134.00 | 141 | 199.00 | 2263 | 275.00 | 8094 |
| 65.00 | 344 | 135.00 | 478 | 200.00 | 125 | 276.00 | 1027 |
| 68.00 | 256 | 136.00 | 179 | 201.00 | 130 | 277.00 | 725 |
| 69.00 | 14649 | 137.00 | 302 | 202.00 | 90 | 278.00 | 54 |
| 70.00 | 59 | 141.00 | 756 | 203.00 | 231 | 283.00 | 59 |
| 73.00 | 291 | 142.00 | 284 | 204.00 | 1196 | 285.00 | 147 |
| 74.00 | 1375 | 143.00 | 128 | 205.00 | 1946 | 293.00 | 139 |
| 75.00 | 2324 | 146.00 | 167 | 206.00 | 8118 | 296.00 | 2125 |
| 76.00 | 801 | 147.00 | 453 | 207.00 | 1322 | 297.00 | 292 |
| 77.00 | 15816 | 148.00 | 1016 | 208.00 | 240 | 303.00 | 237 |
| 78.00 | 964 | 149.00 | 216 | 209.00 | 50 | 315.00 | 271 |
| 79.00 | 1093 | 151.00 | 117 | 210.00 | 50 | 316.00 | 144 |
| 80.00 | 774 | 153.00 | 286 | 211.00 | 376 | 323.00 | 822 |
| 81.00 | 1179 | 154.00 | 179 | 215.00 | 53 | 324.00 | 52 |
| 82.00 | 283 | 155.00 | 496 | 216.00 | 148 | 327.00 | 213 |
| 83.00 | 375 | 156.00 | 779 | 217.00 | 2088 | 334.00 | 472 |
| 85.00 | 241 | 157.00 | 72 | 218.00 | 222 | 335.00 | 108 |
| 86.00 | 359 | 158.00 | 128 | 221.00 | 2056 | 346.00 | 51 |
| 87.00 | 160 | 159.00 | 119 | 222.00 | 441 | 352.00 | 179 |

Report Date: 13-Apr-2016 12:54:11

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D\8270_12R_9.rsl\spectra.d

Injection Date: 13-Apr-2016 04:06:30

Spectrum: Tune Spec :Average 468-470(5.84-5.85) Bgrd 463(5.81)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 195

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|--------|------|--------|------|--------|------|--------|-------|
| 91.00 | 221 | 160.00 | 201 | 223.00 | 524 | 353.00 | 158 |
| 92.00 | 359 | 161.00 | 380 | 224.00 | 4885 | 354.00 | 297 |
| 93.00 | 1692 | 162.00 | 50 | 225.00 | 1268 | 365.00 | 1020 |
| 94.00 | 129 | 165.00 | 345 | 226.00 | 142 | 366.00 | 51 |
| 98.00 | 1408 | 166.00 | 212 | 227.00 | 1917 | 372.00 | 363 |
| 99.00 | 893 | 167.00 | 1729 | 228.00 | 210 | 402.00 | 115 |
| 101.00 | 631 | 168.00 | 745 | 229.00 | 457 | 403.00 | 260 |
| 103.00 | 186 | 169.00 | 123 | 231.00 | 185 | 421.00 | 221 |
| 104.00 | 416 | 172.00 | 50 | 234.00 | 121 | 422.00 | 109 |
| 105.00 | 481 | 173.00 | 192 | 235.00 | 120 | 423.00 | 1497 |
| 106.00 | 101 | 174.00 | 340 | 236.00 | 62 | 424.00 | 328 |
| 107.00 | 4962 | 175.00 | 654 | 237.00 | 108 | 441.00 | 4024 |
| 108.00 | 765 | 176.00 | 189 | 241.00 | 64 | 442.00 | 27736 |
| 109.00 | 164 | 177.00 | 333 | 242.00 | 165 | 443.00 | 5488 |
| 110.00 | 9252 | 178.00 | 58 | 243.00 | 255 | 444.00 | 413 |
| 111.00 | 1371 | 179.00 | 1270 | 244.00 | 3673 | | |

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D
Injection Date: 13-Apr-2016 04:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

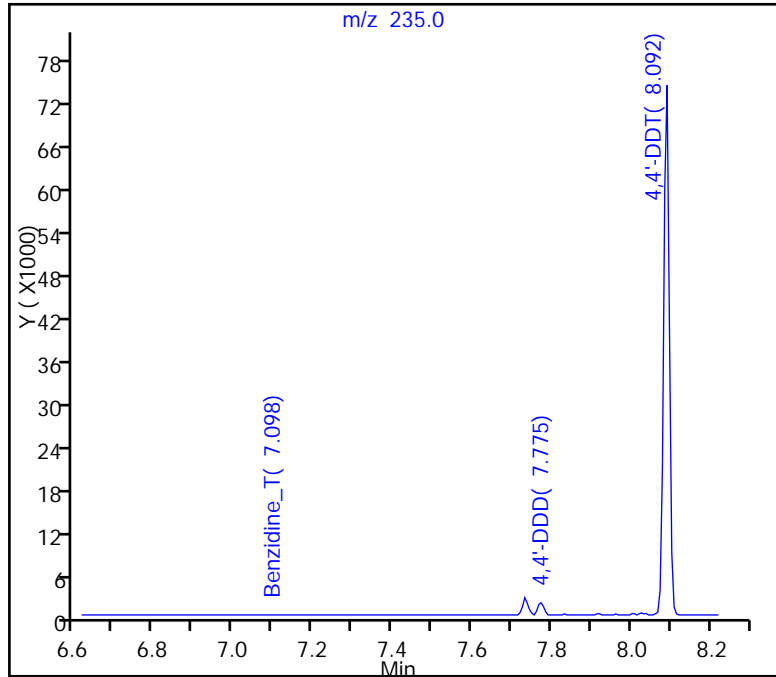
124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 73316
123 4,4'-DDD, Area = 1844
122 4,4'-DDE, Area = 0

%Breakdown: 2.45%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D
Injection Date: 13-Apr-2016 04:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

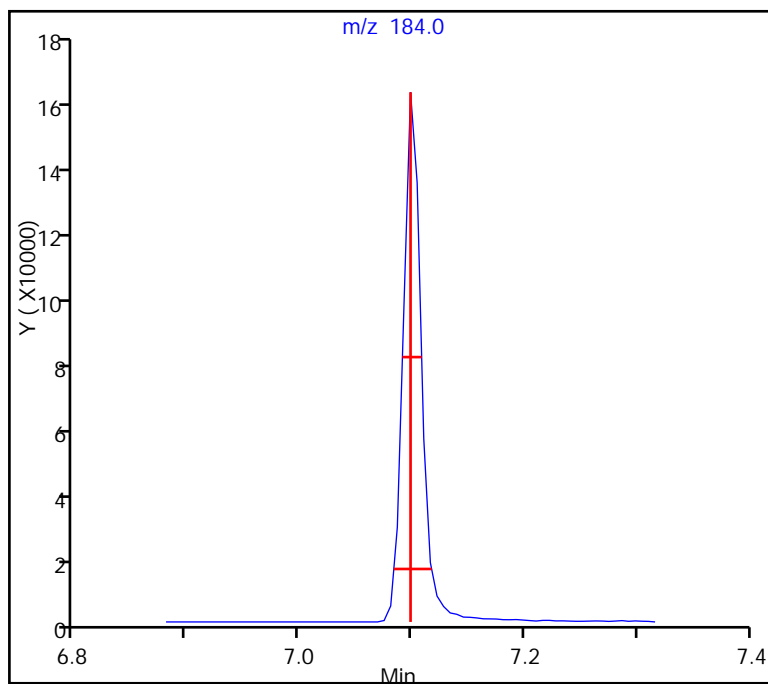
47 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D
Injection Date: 13-Apr-2016 04:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

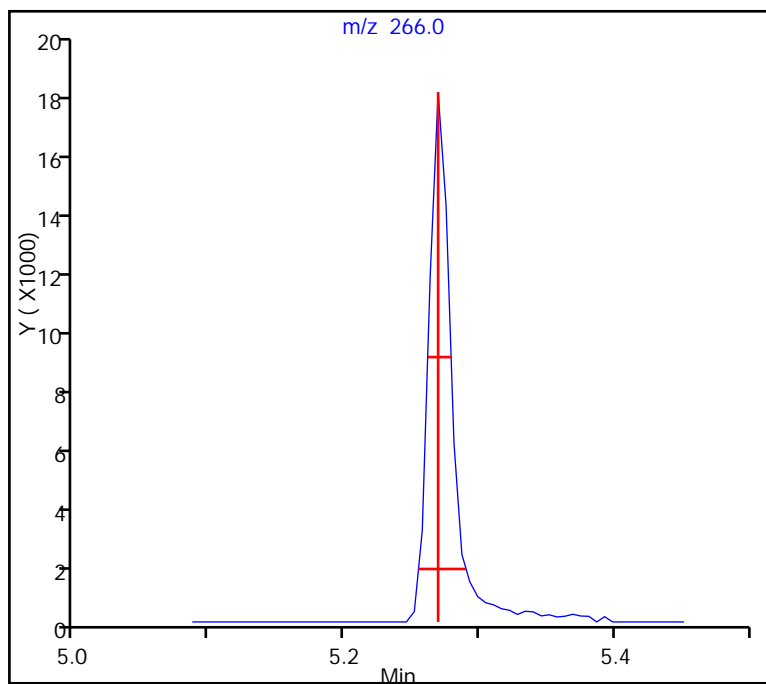
23 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>MB 460-361719/1-A</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>z4178493.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: _____ |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0000 (g)</u> | Date Analyzed: <u>04/12/2016 10:35</u> |
| Con. Extract Vol.: <u>1 (mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1 (uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: _____ | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362008</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 330 | U | 330 | 28 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 330 | U | 330 | 25 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 330 | U | 330 | 14 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 330 | U | 330 | 31 |
| 95-95-4 | 2,4,5-Trichlorophenol | 330 | U | 330 | 33 |
| 88-06-2 | 2,4,6-Trichlorophenol | 130 | U | 130 | 9.4 |
| 120-83-2 | 2,4-Dichlorophenol | 130 | U | 130 | 7.8 |
| 105-67-9 | 2,4-Dimethylphenol | 330 | U | 330 | 73 |
| 51-28-5 | 2,4-Dinitrophenol | 270 | U | 270 | 250 |
| 121-14-2 | 2,4-Dinitrotoluene | 67 | U | 67 | 13 |
| 606-20-2 | 2,6-Dinitrotoluene | 67 | U | 67 | 18 |
| 91-58-7 | 2-Chloronaphthalene | 330 | U | 330 | 7.5 |
| 95-57-8 | 2-Chlorophenol | 330 | U | 330 | 8.4 |
| 91-57-6 | 2-Methylnaphthalene | 330 | U | 330 | 7.3 |
| 95-48-7 | 2-Methylphenol | 330 | U | 330 | 14 |
| 88-74-4 | 2-Nitroaniline | 330 | U | 330 | 11 |
| 88-75-5 | 2-Nitrophenol | 330 | U | 330 | 11 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 130 | U | 130 | 37 |
| 99-09-2 | 3-Nitroaniline | 330 | U | 330 | 9.8 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 270 | U | 270 | 88 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 330 | U | 330 | 10 |
| 59-50-7 | 4-Chloro-3-methylphenol | 330 | U | 330 | 14 |
| 106-47-8 | 4-Chloroaniline | 330 | U | 330 | 8.5 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 330 | U | 330 | 9.9 |
| 106-44-5 | 4-Methylphenol | 330 | U | 330 | 9.0 |
| 100-01-6 | 4-Nitroaniline | 330 | U | 330 | 13 |
| 100-02-7 | 4-Nitrophenol | 670 | U | 670 | 160 |
| 83-32-9 | Acenaphthene | 330 | U | 330 | 8.0 |
| 208-96-8 | Acenaphthylene | 330 | U | 330 | 8.5 |
| 98-86-2 | Acetophenone | 330 | U | 330 | 7.2 |
| 120-12-7 | Anthracene | 330 | U | 330 | 31 |
| 1912-24-9 | Atrazine | 130 | U | 130 | 15 |
| 100-52-7 | Benzaldehyde | 330 | U | 330 | 25 |
| 56-55-3 | Benzo[a]anthracene | 33 | U | 33 | 28 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-361719/1-A
 Matrix: Solid Lab File ID: z4178493.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/10/2016 09:03
 Sample wt/vol: 15.0000 (g) Date Analyzed: 04/12/2016 10:35
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 362008 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|---|-----|-----|
| 50-32-8 | Benzo[a]pyrene | 33 | U | 33 | 10 |
| 205-99-2 | Benzo[b]fluoranthene | 33 | U | 33 | 13 |
| 191-24-2 | Benzo[g,h,i]perylene | 330 | U | 330 | 19 |
| 207-08-9 | Benzo[k]fluoranthene | 33 | U | 33 | 14 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 330 | U | 330 | 10 |
| 111-44-4 | Bis(2-chloroethyl)ether | 33 | U | 33 | 7.8 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 330 | U | 330 | 13 |
| 85-68-7 | Butyl benzyl phthalate | 330 | U | 330 | 10 |
| 105-60-2 | Caprolactam | 330 | U | 330 | 24 |
| 86-74-8 | Carbazole | 330 | U | 330 | 8.2 |
| 218-01-9 | Chrysene | 330 | U | 330 | 9.0 |
| 53-70-3 | Dibenz(a,h)anthracene | 33 | U | 33 | 17 |
| 132-64-9 | Dibenzofuran | 330 | U | 330 | 10 |
| 84-66-2 | Diethyl phthalate | 330 | U | 330 | 9.4 |
| 131-11-3 | Dimethyl phthalate | 330 | U | 330 | 9.6 |
| 84-74-2 | Di-n-butyl phthalate | 330 | U | 330 | 9.9 |
| 117-84-0 | Di-n-octyl phthalate | 330 | U | 330 | 17 |
| 206-44-0 | Fluoranthene | 330 | U | 330 | 9.8 |
| 86-73-7 | Fluorene | 330 | U | 330 | 7.2 |
| 118-74-1 | Hexachlorobenzene | 33 | U | 33 | 13 |
| 87-68-3 | Hexachlorobutadiene | 67 | U | 67 | 9.3 |
| 77-47-4 | Hexachlorocyclopentadiene | 330 | U | 330 | 21 |
| 67-72-1 | Hexachloroethane | 33 | U | 33 | 12 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 33 | U | 33 | 22 |
| 78-59-1 | Isophorone | 130 | U | 130 | 7.1 |
| 91-20-3 | Naphthalene | 330 | U | 330 | 8.4 |
| 98-95-3 | Nitrobenzene | 33 | U | 33 | 10 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 33 | U | 33 | 11 |
| 86-30-6 | N-Nitrosodiphenylamine | 330 | U | 330 | 30 |
| 87-86-5 | Pentachlorophenol | 270 | U | 270 | 40 |
| 85-01-8 | Phenanthrene | 330 | U | 330 | 8.8 |
| 108-95-2 | Phenol | 330 | U | 330 | 11 |
| 129-00-0 | Pyrene | 330 | U | 330 | 15 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-361719/1-A
Matrix: Solid Lab File ID: z4178493.D
Analysis Method: 8270D Date Collected: _____
Extract. Method: 3546 Date Extracted: 04/10/2016 09:03
Sample wt/vol: 15.0000 (g) Date Analyzed: 04/12/2016 10:35
Con. Extract Vol.: 1 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 362008 Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 77 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 73 | | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 65 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 60 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 61 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 106 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178493.D
 Lims ID: MB 460-361719/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 12-Apr-2016 10:35:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039738-011
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 12:09:47 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: bayoumiw

Date: 12-Apr-2016 12:09:47

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.063 | 3.040 | 0.023 | 90 | 339957 | 50.0 | 32.7 | |
| \$ 6 Phenol-d5 | 99 | 3.946 | 3.969 | -0.023 | 87 | 387471 | 50.0 | 30.7 | |
| * 14 1,4-Dichlorobenzene-d4 | 152 | 4.310 | 4.316 | -0.006 | 98 | 292955 | 40.0 | 40.0 | |
| \$ 26 Nitrobenzene-d5 | 82 | 4.863 | 4.887 | -0.024 | 96 | 380708 | 50.0 | 29.9 | |
| * 38 Naphthalene-d8 | 136 | 5.593 | 5.598 | -0.005 | 100 | 1080349 | 40.0 | 40.0 | |
| \$ 51 2-Fluorobiphenyl | 172 | 6.681 | 6.686 | -0.005 | 98 | 759875 | 50.0 | 36.3 | |
| * 65 Acenaphthene-d10 | 164 | 7.351 | 7.351 | 0.000 | 93 | 557695 | 40.0 | 40.0 | |
| \$ 80 2,4,6-Tribromophenol | 330 | 8.122 | 8.133 | -0.011 | 95 | 91924 | 50.0 | 38.4 | |
| * 87 Phenanthrene-d10 | 188 | 8.810 | 8.816 | -0.006 | 98 | 784576 | 40.0 | 40.0 | |
| \$ 96 Terphenyl-d14 | 244 | 10.386 | 10.386 | 0.000 | 99 | 530341 | 50.0 | 53.2 | |
| * 102 Chrysene-d12 | 240 | 11.557 | 11.563 | -0.006 | 99 | 357104 | 40.0 | 40.0 | |
| * 109 Perylene-d12 | 264 | 13.463 | 13.469 | -0.005 | 99 | 230024 | 40.0 | 40.0 | |

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160412-39738.b\z4178493.D

Injection Date: 12-Apr-2016 10:35:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: MB 460-361719/1-A

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

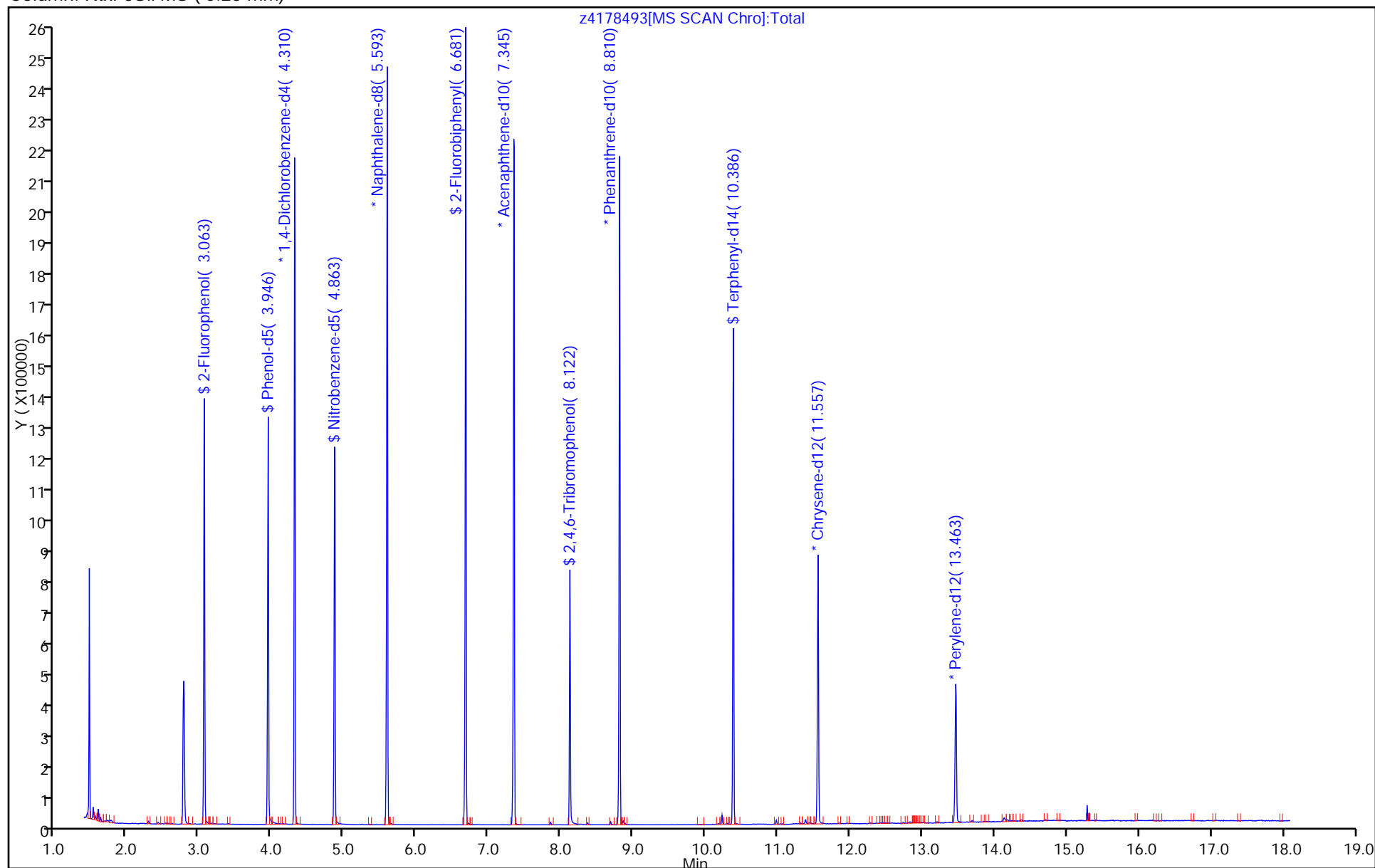
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>MB 460-361911/1-A</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132575.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: _____ |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0000 (g)</u> | Date Analyzed: <u>04/13/2016 08:17</u> |
| Con. Extract Vol.: <u>1 (mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1 (uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: _____ | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 330 | U | 330 | 28 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 330 | U | 330 | 25 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 330 | U | 330 | 14 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 330 | U | 330 | 31 |
| 95-95-4 | 2,4,5-Trichlorophenol | 330 | U | 330 | 33 |
| 88-06-2 | 2,4,6-Trichlorophenol | 130 | U | 130 | 9.4 |
| 120-83-2 | 2,4-Dichlorophenol | 130 | U | 130 | 7.8 |
| 105-67-9 | 2,4-Dimethylphenol | 330 | U | 330 | 73 |
| 51-28-5 | 2,4-Dinitrophenol | 270 | U | 270 | 250 |
| 121-14-2 | 2,4-Dinitrotoluene | 67 | U | 67 | 13 |
| 606-20-2 | 2,6-Dinitrotoluene | 67 | U | 67 | 18 |
| 91-58-7 | 2-Chloronaphthalene | 330 | U | 330 | 7.5 |
| 95-57-8 | 2-Chlorophenol | 330 | U | 330 | 8.4 |
| 91-57-6 | 2-Methylnaphthalene | 330 | U | 330 | 7.3 |
| 95-48-7 | 2-Methylphenol | 330 | U | 330 | 14 |
| 88-74-4 | 2-Nitroaniline | 330 | U | 330 | 11 |
| 88-75-5 | 2-Nitrophenol | 330 | U | 330 | 11 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 130 | U | 130 | 37 |
| 99-09-2 | 3-Nitroaniline | 330 | U | 330 | 9.8 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 270 | U | 270 | 88 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 330 | U | 330 | 10 |
| 59-50-7 | 4-Chloro-3-methylphenol | 330 | U | 330 | 14 |
| 106-47-8 | 4-Chloroaniline | 330 | U | 330 | 8.5 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 330 | U | 330 | 9.9 |
| 106-44-5 | 4-Methylphenol | 330 | U | 330 | 9.0 |
| 100-01-6 | 4-Nitroaniline | 330 | U | 330 | 13 |
| 100-02-7 | 4-Nitrophenol | 670 | U | 670 | 160 |
| 83-32-9 | Acenaphthene | 330 | U | 330 | 8.0 |
| 208-96-8 | Acenaphthylene | 330 | U | 330 | 8.5 |
| 98-86-2 | Acetophenone | 330 | U | 330 | 7.2 |
| 120-12-7 | Anthracene | 330 | U | 330 | 31 |
| 1912-24-9 | Atrazine | 130 | U | 130 | 15 |
| 100-52-7 | Benzaldehyde | 330 | U | 330 | 25 |
| 56-55-3 | Benzo[a]anthracene | 33 | U | 33 | 28 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>MB 460-361911/1-A</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132575.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: _____ |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0000 (g)</u> | Date Analyzed: <u>04/13/2016 08:17</u> |
| Con. Extract Vol.: <u>1 (mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1 (uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: _____ | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|---|-----|-----|
| 50-32-8 | Benzo[a]pyrene | 33 | U | 33 | 10 |
| 205-99-2 | Benzo[b]fluoranthene | 33 | U | 33 | 13 |
| 191-24-2 | Benzo[g,h,i]perylene | 330 | U | 330 | 19 |
| 207-08-9 | Benzo[k]fluoranthene | 33 | U | 33 | 14 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 330 | U | 330 | 10 |
| 111-44-4 | Bis(2-chloroethyl)ether | 33 | U | 33 | 7.8 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 330 | U | 330 | 13 |
| 85-68-7 | Butyl benzyl phthalate | 330 | U | 330 | 10 |
| 105-60-2 | Caprolactam | 330 | U | 330 | 24 |
| 86-74-8 | Carbazole | 330 | U | 330 | 8.2 |
| 218-01-9 | Chrysene | 330 | U | 330 | 9.0 |
| 53-70-3 | Dibenz(a,h)anthracene | 33 | U | 33 | 17 |
| 132-64-9 | Dibenzofuran | 330 | U | 330 | 10 |
| 84-66-2 | Diethyl phthalate | 330 | U | 330 | 9.4 |
| 131-11-3 | Dimethyl phthalate | 330 | U | 330 | 9.6 |
| 84-74-2 | Di-n-butyl phthalate | 330 | U | 330 | 9.9 |
| 117-84-0 | Di-n-octyl phthalate | 330 | U | 330 | 17 |
| 206-44-0 | Fluoranthene | 330 | U | 330 | 9.8 |
| 86-73-7 | Fluorene | 330 | U | 330 | 7.2 |
| 118-74-1 | Hexachlorobenzene | 33 | U | 33 | 13 |
| 87-68-3 | Hexachlorobutadiene | 67 | U | 67 | 9.3 |
| 77-47-4 | Hexachlorocyclopentadiene | 330 | U | 330 | 21 |
| 67-72-1 | Hexachloroethane | 33 | U | 33 | 12 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 33 | U | 33 | 22 |
| 78-59-1 | Isophorone | 130 | U | 130 | 7.1 |
| 91-20-3 | Naphthalene | 330 | U | 330 | 8.4 |
| 98-95-3 | Nitrobenzene | 33 | U | 33 | 10 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 33 | U | 33 | 11 |
| 86-30-6 | N-Nitrosodiphenylamine | 330 | U | 330 | 30 |
| 87-86-5 | Pentachlorophenol | 270 | U | 270 | 40 |
| 85-01-8 | Phenanthrene | 330 | U | 330 | 8.8 |
| 108-95-2 | Phenol | 330 | U | 330 | 11 |
| 129-00-0 | Pyrene | 330 | U | 330 | 15 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>MB 460-361911/1-A</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132575.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: _____ |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0000 (g)</u> | Date Analyzed: <u>04/13/2016 08:17</u> |
| Con. Extract Vol.: <u>1 (mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1 (uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: _____ | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 49 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 73 | | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 68 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 71 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 67 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 88 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132575.D
 Lims ID: MB 460-361911/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 13-Apr-2016 08:17:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-007
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:28:02

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.194 | 3.182 | 0.012 | 94 | 286891 | 50.0 | 34.0 | |
| \$ 6 Phenol-d5 | 99 | 4.093 | 4.105 | -0.012 | 86 | 343624 | 50.0 | 33.5 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.476 | 4.476 | 0.000 | 98 | 248343 | 40.0 | 40.0 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.029 | 5.035 | -0.006 | 92 | 314019 | 50.0 | 35.5 | |
| * 36 Naphthalene-d8 | 136 | 5.758 | 5.758 | 0.000 | 99 | 923696 | 40.0 | 40.0 | |
| 56 1-Naphthylamine | 143 | 6.840 | 6.769 | 0.071 | 43 | 937 | | NC | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.840 | 6.846 | -0.006 | 97 | 545836 | 50.0 | 36.7 | |
| * 63 Acenaphthene-d10 | 164 | 7.511 | 7.511 | 0.000 | 93 | 416541 | 40.0 | 40.0 | |
| 57 2-Naphthylamine | 143 | 8.287 | 8.192 | 0.095 | 60 | 17660 | | NC | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.287 | 8.299 | -0.012 | 93 | 42686 | 50.0 | 24.7 | |
| * 85 Phenanthrene-d10 | 188 | 8.976 | 8.982 | -0.006 | 99 | 531540 | 40.0 | 40.0 | |
| \$ 94 Terphenyl-d14 | 244 | 10.558 | 10.564 | -0.006 | 99 | 311233 | 50.0 | 43.9 | |
| * 100 Chrysene-d12 | 240 | 11.775 | 11.781 | -0.006 | 98 | 283504 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.734 | 13.740 | -0.006 | 96 | 216698 | 40.0 | 40.0 | |

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132575.D

Injection Date: 13-Apr-2016 08:17:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: MB 460-361911/1-A

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

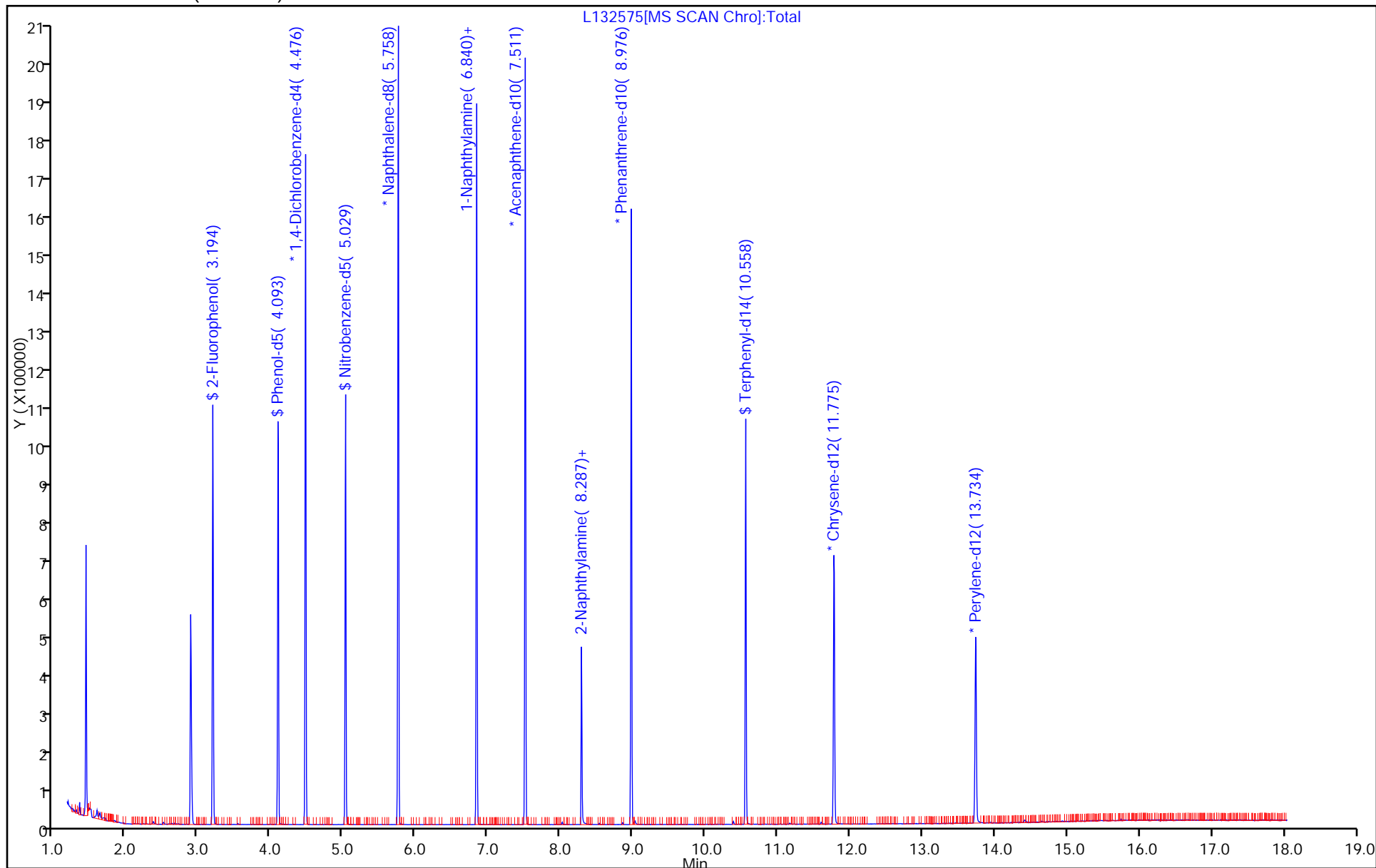
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|--|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>LCS 460-361719/2-A</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132516.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: _____ |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0000 (g)</u> | Date Analyzed: <u>04/11/2016 22:42</u> |
| Con. Extract Vol.: <u>1 (mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1 (uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: _____ | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 2980 | | 330 | 28 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 3050 | | 330 | 25 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 2640 | | 330 | 14 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 3080 | | 330 | 31 |
| 95-95-4 | 2,4,5-Trichlorophenol | 2920 | | 330 | 33 |
| 88-06-2 | 2,4,6-Trichlorophenol | 3000 | | 130 | 9.4 |
| 120-83-2 | 2,4-Dichlorophenol | 2820 | | 130 | 7.8 |
| 105-67-9 | 2,4-Dimethylphenol | 2800 | | 330 | 73 |
| 51-28-5 | 2,4-Dinitrophenol | 5800 | | 270 | 250 |
| 121-14-2 | 2,4-Dinitrotoluene | 3270 | | 67 | 13 |
| 606-20-2 | 2,6-Dinitrotoluene | 3100 | | 67 | 18 |
| 91-58-7 | 2-Chloronaphthalene | 3020 | | 330 | 7.5 |
| 95-57-8 | 2-Chlorophenol | 2680 | | 330 | 8.4 |
| 91-57-6 | 2-Methylnaphthalene | 2800 | | 330 | 7.3 |
| 95-48-7 | 2-Methylphenol | 2700 | | 330 | 14 |
| 88-74-4 | 2-Nitroaniline | 2950 | | 330 | 11 |
| 88-75-5 | 2-Nitrophenol | 2910 | | 330 | 11 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1240 | | 130 | 37 |
| 99-09-2 | 3-Nitroaniline | 1630 | | 330 | 9.8 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 6010 | | 270 | 88 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 3110 | | 330 | 10 |
| 59-50-7 | 4-Chloro-3-methylphenol | 2930 | | 330 | 14 |
| 106-47-8 | 4-Chloroaniline | 1130 | | 330 | 8.5 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 3010 | | 330 | 9.9 |
| 106-44-5 | 4-Methylphenol | 2670 | | 330 | 9.0 |
| 100-01-6 | 4-Nitroaniline | 2720 | | 330 | 13 |
| 100-02-7 | 4-Nitrophenol | 6050 | | 670 | 160 |
| 83-32-9 | Acenaphthene | 3040 | | 330 | 8.0 |
| 208-96-8 | Acenaphthylene | 3050 | | 330 | 8.5 |
| 98-86-2 | Acetophenone | 2580 | | 330 | 7.2 |
| 120-12-7 | Anthracene | 3080 | | 330 | 31 |
| 56-55-3 | Benzo[a]anthracene | 2980 | | 33 | 28 |
| 50-32-8 | Benzo[a]pyrene | 3230 | | 33 | 10 |
| 205-99-2 | Benzo[b]fluoranthene | 3210 | | 33 | 13 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|--|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>LCS 460-361719/2-A</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132516.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: _____ |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0000 (g)</u> | Date Analyzed: <u>04/11/2016 22:42</u> |
| Con. Extract Vol.: <u>1 (mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1 (uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: _____ | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|---|-----|-----|
| 191-24-2 | Benzo[g,h,i]perylene | 2770 | | 330 | 19 |
| 207-08-9 | Benzo[k]fluoranthene | 3250 | | 33 | 14 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 2940 | | 330 | 10 |
| 111-44-4 | Bis(2-chloroethyl)ether | 2740 | | 33 | 7.8 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 3160 | | 330 | 13 |
| 85-68-7 | Butyl benzyl phthalate | 3220 | | 330 | 10 |
| 86-74-8 | Carbazole | 3070 | | 330 | 8.2 |
| 218-01-9 | Chrysene | 3230 | | 330 | 9.0 |
| 53-70-3 | Dibenz(a,h)anthracene | 3100 | | 33 | 17 |
| 132-64-9 | Dibenzofuran | 2980 | | 330 | 10 |
| 84-66-2 | Diethyl phthalate | 3150 | | 330 | 9.4 |
| 131-11-3 | Dimethyl phthalate | 3130 | | 330 | 9.6 |
| 84-74-2 | Di-n-butyl phthalate | 3190 | | 330 | 9.9 |
| 117-84-0 | Di-n-octyl phthalate | 3400 | | 330 | 17 |
| 206-44-0 | Fluoranthene | 3130 | | 330 | 9.8 |
| 86-73-7 | Fluorene | 2960 | | 330 | 7.2 |
| 118-74-1 | Hexachlorobenzene | 3030 | | 33 | 13 |
| 87-68-3 | Hexachlorobutadiene | 2990 | | 67 | 9.3 |
| 77-47-4 | Hexachlorocyclopentadiene | 4080 | | 330 | 21 |
| 67-72-1 | Hexachloroethane | 2730 | | 33 | 12 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 3570 | | 33 | 22 |
| 78-59-1 | Isophorone | 3020 | | 130 | 7.1 |
| 91-20-3 | Naphthalene | 2870 | | 330 | 8.4 |
| 98-95-3 | Nitrobenzene | 2940 | | 33 | 10 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 2790 | | 33 | 11 |
| 86-30-6 | N-Nitrosodiphenylamine | 3030 | | 330 | 30 |
| 87-86-5 | Pentachlorophenol | 6450 | | 270 | 40 |
| 85-01-8 | Phenanthrene | 2980 | | 330 | 8.8 |
| 108-95-2 | Phenol | 2630 | | 330 | 11 |
| 129-00-0 | Pyrene | 3120 | | 330 | 15 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|--|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>LCS 460-361719/2-A</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132516.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: _____ |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0000 (g)</u> | Date Analyzed: <u>04/11/2016 22:42</u> |
| Con. Extract Vol.: <u>1 (mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1 (uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: _____ | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 86 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 87 | * | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 76 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 83 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 77 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 93 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132516.D
 Lims ID: LCS 460-361719/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 11-Apr-2016 22:42:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039729-008
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:44:52 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: zhaoc

Date: 12-Apr-2016 08:58:49

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.888 | 1.841 | 0.047 | 97 | 69672 | 50.0 | 26.5 | |
| 2 N-Nitrosodimethylamine | 74 | 2.123 | 2.082 | 0.041 | 78 | 157947 | 50.0 | 41.7 | |
| 3 Pyridine | 79 | 2.158 | 2.123 | 0.035 | 78 | 233138 | 50.0 | 34.6 | |
| \$ 4 2-Fluorophenol | 112 | 3.311 | 3.294 | 0.017 | 93 | 257858 | 50.0 | 37.8 | |
| \$ 6 Phenol-d5 | 99 | 4.217 | 4.211 | 0.006 | 87 | 317955 | 50.0 | 38.4 | |
| 7 Phenol | 94 | 4.235 | 4.229 | 0.005 | 99 | 325280 | 50.0 | 39.5 | |
| 8 Aniline | 93 | 4.264 | 4.264 | 0.000 | 100 | 282658 | 50.0 | 28.1 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.323 | 4.323 | 0.000 | 93 | 270386 | 50.0 | 41.0 | |
| 10 2-Chlorophenol | 128 | 4.387 | 4.388 | -0.001 | 94 | 279894 | 50.0 | 40.2 | |
| 11 n-Decane | 43 | 4.434 | 4.435 | -0.001 | 95 | 401804 | 50.0 | 37.5 | |
| 12 1,3-Dichlorobenzene | 146 | 4.546 | 4.547 | -0.001 | 95 | 317518 | 50.0 | 41.2 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.599 | 4.594 | 0.005 | 97 | 200646 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.617 | 4.617 | 0.000 | 94 | 322336 | 50.0 | 41.1 | |
| 15 Benzyl alcohol | 108 | 4.729 | 4.729 | 0.000 | 92 | 173283 | 50.0 | 40.4 | |
| 16 1,2-Dichlorobenzene | 146 | 4.770 | 4.770 | 0.000 | 95 | 303170 | 50.0 | 40.9 | |
| 17 2-Methylphenol | 108 | 4.840 | 4.835 | 0.005 | 89 | 243323 | 50.0 | 40.5 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.870 | 4.870 | 0.000 | 93 | 532596 | 50.0 | 39.7 | |
| 20 3 & 4 Methylphenol | 108 | 4.993 | 4.994 | -0.001 | 82 | 263923 | 50.0 | 40.0 | |
| 19 4-Methylphenol | 108 | 4.993 | 4.994 | -0.001 | 82 | 263923 | 50.0 | 40.0 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.999 | 4.999 | 0.000 | 94 | 192438 | 50.0 | 41.8 | |
| 22 Acetophenone | 105 | 4.999 | 4.999 | 0.000 | 86 | 328480 | 50.0 | 38.7 | |
| 25 Hexachloroethane | 117 | 5.111 | 5.111 | 0.000 | 94 | 125498 | 50.0 | 41.0 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.152 | 5.152 | 0.000 | 92 | 281530 | 50.0 | 41.4 | |
| 27 Nitrobenzene | 77 | 5.176 | 5.176 | 0.000 | 87 | 384515 | 50.0 | 44.1 | |
| 28 n,n'-Dimethylaniline | 120 | 5.176 | 5.176 | 0.000 | 93 | 444177 | 50.0 | 45.6 | |
| 29 Isophorone | 82 | 5.411 | 5.411 | 0.000 | 98 | 488555 | 50.0 | 45.4 | |
| 30 2-Nitrophenol | 139 | 5.493 | 5.494 | -0.001 | 90 | 144276 | 50.0 | 43.6 | |
| 31 2,4-Dimethylphenol | 122 | 5.529 | 5.529 | 0.000 | 91 | 231358 | 50.0 | 42.0 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.629 | 5.629 | 0.000 | 96 | 308372 | 50.0 | 44.1 | |
| 33 Benzoic acid | 122 | 5.640 | 5.635 | 0.005 | 91 | 117244 | 50.0 | 40.8 | |
| 34 2,4-Dichlorophenol | 162 | 5.734 | 5.735 | -0.001 | 95 | 207945 | 50.0 | 42.2 | |
| 35 1,2,4-Trichlorobenzene | 180 | 5.823 | 5.823 | 0.000 | 95 | 239480 | 50.0 | 44.7 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| * 36 Naphthalene-d8 | 136 | 5.881 | 5.876 | 0.005 | 99 | 709951 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.899 | 5.899 | 0.000 | 99 | 787759 | 50.0 | 43.1 | |
| 38 4-Chloroaniline | 127 | 5.952 | 5.952 | 0.000 | 97 | 123666 | 50.0 | 16.9 | |
| 39 Hexachlorobutadiene | 225 | 6.034 | 6.035 | -0.001 | 95 | 135260 | 50.0 | 44.8 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.434 | 6.435 | -0.001 | 98 | 211998 | 50.0 | 44.0 | |
| 42 2-Methylnaphthalene | 142 | 6.593 | 6.593 | 0.000 | 85 | 508300 | 50.0 | 41.9 | |
| 43 1-Methylnaphthalene | 142 | 6.693 | 6.693 | 0.000 | 93 | 476854 | 50.0 | 45.4 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.764 | 6.764 | 0.000 | 96 | 146987 | 50.0 | 61.2 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.764 | 6.764 | 0.000 | 97 | 208600 | 50.0 | 45.7 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.787 | 6.788 | -0.001 | 91 | 362588 | 50.0 | 45.9 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.876 | 6.876 | 0.000 | 88 | 138935 | 50.0 | 45.1 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.911 | 6.905 | 0.006 | 95 | 139935 | 50.0 | 43.8 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.964 | 6.964 | 0.000 | 98 | 531533 | 50.0 | 43.5 | |
| 51 1,1'-Biphenyl | 154 | 7.064 | 7.058 | 0.006 | 95 | 599674 | 50.0 | 44.7 | |
| 52 2-Chloronaphthalene | 162 | 7.081 | 7.082 | -0.001 | 99 | 450708 | 50.0 | 45.4 | |
| 53 Phenyl ether | 170 | 7.164 | 7.164 | 0.000 | 89 | 319424 | 50.0 | 46.4 | |
| 54 2-Nitroaniline | 65 | 7.181 | 7.182 | -0.001 | 99 | 165188 | 50.0 | 44.2 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.299 | 7.299 | 0.000 | 91 | 402786 | 50.0 | 48.3 | |
| 58 Dimethyl phthalate | 163 | 7.364 | 7.364 | 0.000 | 99 | 487653 | 50.0 | 46.9 | |
| 59 Coumarin | 146 | 7.387 | 7.388 | -0.001 | 75 | 169440 | 50.0 | 47.5 | |
| 60 2,6-Dinitrotoluene | 165 | 7.417 | 7.417 | 0.000 | 94 | 112255 | 50.0 | 46.6 | |
| 61 Acenaphthylene | 152 | 7.493 | 7.493 | 0.000 | 97 | 702227 | 50.0 | 45.8 | |
| 62 3-Nitroaniline | 138 | 7.581 | 7.587 | -0.006 | 94 | 64709 | 50.0 | 24.5 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.635 | -0.001 | 93 | 341957 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.652 | 7.652 | 0.000 | 98 | 416877 | 50.0 | 51.1 | |
| 65 Acenaphthene | 154 | 7.670 | 7.670 | 0.000 | 95 | 487437 | 50.0 | 45.5 | |
| 66 2,4-Dinitrophenol | 184 | 7.687 | 7.687 | 0.000 | 69 | 127739 | 100.0 | 87.0 | |
| 67 4-Nitrophenol | 65 | 7.746 | 7.746 | 0.000 | 92 | 169924 | 100.0 | 90.7 | |
| 68 2,4-Dinitrotoluene | 165 | 7.817 | 7.817 | 0.000 | 96 | 144711 | 50.0 | 49.0 | |
| 69 Dibenzofuran | 168 | 7.840 | 7.840 | 0.000 | 96 | 617350 | 50.0 | 44.7 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.958 | 7.958 | 0.000 | 92 | 112514 | 50.0 | 46.3 | |
| 71 Diethyl phthalate | 149 | 8.058 | 8.064 | -0.006 | 98 | 485555 | 50.0 | 47.2 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.170 | 8.176 | -0.006 | 84 | 213800 | 50.0 | 45.1 | |
| 74 Fluorene | 166 | 8.175 | 8.176 | -0.001 | 95 | 488336 | 50.0 | 44.4 | |
| 75 4-Nitroaniline | 138 | 8.193 | 8.193 | 0.000 | 91 | 102328 | 50.0 | 40.8 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.222 | 8.223 | -0.001 | 80 | 158183 | 100.0 | 90.2 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.287 | 8.293 | -0.006 | 68 | 345773 | 50.0 | 45.5 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.328 | 8.329 | -0.001 | 99 | 506135 | 50.0 | 45.7 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.417 | 8.417 | 0.000 | 93 | 61424 | 50.0 | 42.9 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.658 | 8.658 | 0.000 | 89 | 126547 | 50.0 | 46.6 | |
| 81 Hexachlorobenzene | 284 | 8.728 | 8.729 | -0.001 | 99 | 126262 | 50.0 | 45.5 | |
| 83 Pentachlorophenol | 266 | 8.917 | 8.917 | 0.000 | 92 | 163250 | 100.0 | 96.8 | |
| 84 Pentachloronitrobenzene | 237 | 8.934 | 8.934 | 0.000 | 87 | 59680 | 50.0 | 53.3 | |
| 72 n-Octadecane | 57 | 8.987 | 8.987 | 0.000 | 93 | 431142 | 50.0 | 43.5 | |
| * 85 Phenanthrene-d10 | 188 | 9.105 | 9.099 | 0.006 | 99 | 499883 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.128 | 9.129 | -0.001 | 98 | 645610 | 50.0 | 44.6 | |
| 87 Anthracene | 178 | 9.175 | 9.176 | -0.001 | 98 | 668855 | 50.0 | 46.2 | |
| 88 Carbazole | 167 | 9.328 | 9.329 | -0.001 | 96 | 581399 | 50.0 | 46.0 | |
| 89 Di-n-butyl phthalate | 149 | 9.664 | 9.664 | 0.000 | 100 | 758768 | 50.0 | 47.8 | |
| 90 Fluoranthene | 202 | 10.299 | 10.299 | 0.000 | 97 | 620664 | 50.0 | 47.0 | |
| 91 Benzidine | 184 | 10.422 | 10.428 | -0.006 | 99 | 113069 | 50.0 | 19.1 | |
| 92 Pyrene | 202 | 10.534 | 10.534 | 0.000 | 97 | 618869 | 50.0 | 46.9 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|-----|----------|------------------|--------------------|-------|
| 93 Bisphenol-A | 213 | 10.569 | 10.570 | -0.001 | 99 | 110039 | 25.0 | 20.8 | |
| \$ 94 Terphenyl-d14 | 244 | 10.687 | 10.693 | -0.006 | 99 | 417006 | 50.0 | 46.3 | |
| 95 Butyl benzyl phthalate | 149 | 11.234 | 11.234 | 0.000 | 97 | 286303 | 50.0 | 48.3 | |
| 97 Carbamazepine | 193 | 11.369 | 11.370 | -0.001 | 92 | 209605 | 50.0 | 47.8 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.887 | 11.887 | 0.000 | 100 | 67166 | 50.0 | 18.6 | |
| 99 Benzo[a]anthracene | 228 | 11.922 | 11.923 | 0.000 | 99 | 489093 | 50.0 | 44.6 | |
| * 100 Chrysene-d12 | 240 | 11.940 | 11.934 | 0.006 | 99 | 360275 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.952 | 11.952 | 0.000 | 89 | 393612 | 50.0 | 47.4 | |
| 101 Chrysene | 228 | 11.975 | 11.975 | 0.000 | 98 | 478880 | 50.0 | 48.5 | |
| 103 Di-n-octyl phthalate | 149 | 12.840 | 12.840 | 0.000 | 97 | 600808 | 50.0 | 51.0 | |
| 104 Benzo[b]fluoranthene | 252 | 13.381 | 13.381 | 0.000 | 98 | 390257 | 50.0 | 48.2 | |
| 105 Benzo[k]fluoranthene | 252 | 13.422 | 13.422 | 0.000 | 99 | 412785 | 50.0 | 48.7 | |
| 106 Benzo[a]pyrene | 252 | 13.840 | 13.840 | 0.000 | 96 | 369666 | 50.0 | 48.4 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.916 | 0.000 | 96 | 278780 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.404 | 15.411 | -0.007 | 97 | 367286 | 50.0 | 53.5 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.434 | 15.440 | -0.006 | 97 | 305395 | 50.0 | 46.4 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.793 | 15.799 | -0.006 | 95 | 303734 | 50.0 | 41.5 | |

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39729.b\\L132516.D

Injection Date: 11-Apr-2016 22:42:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: LCS 460-361719/2-A

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

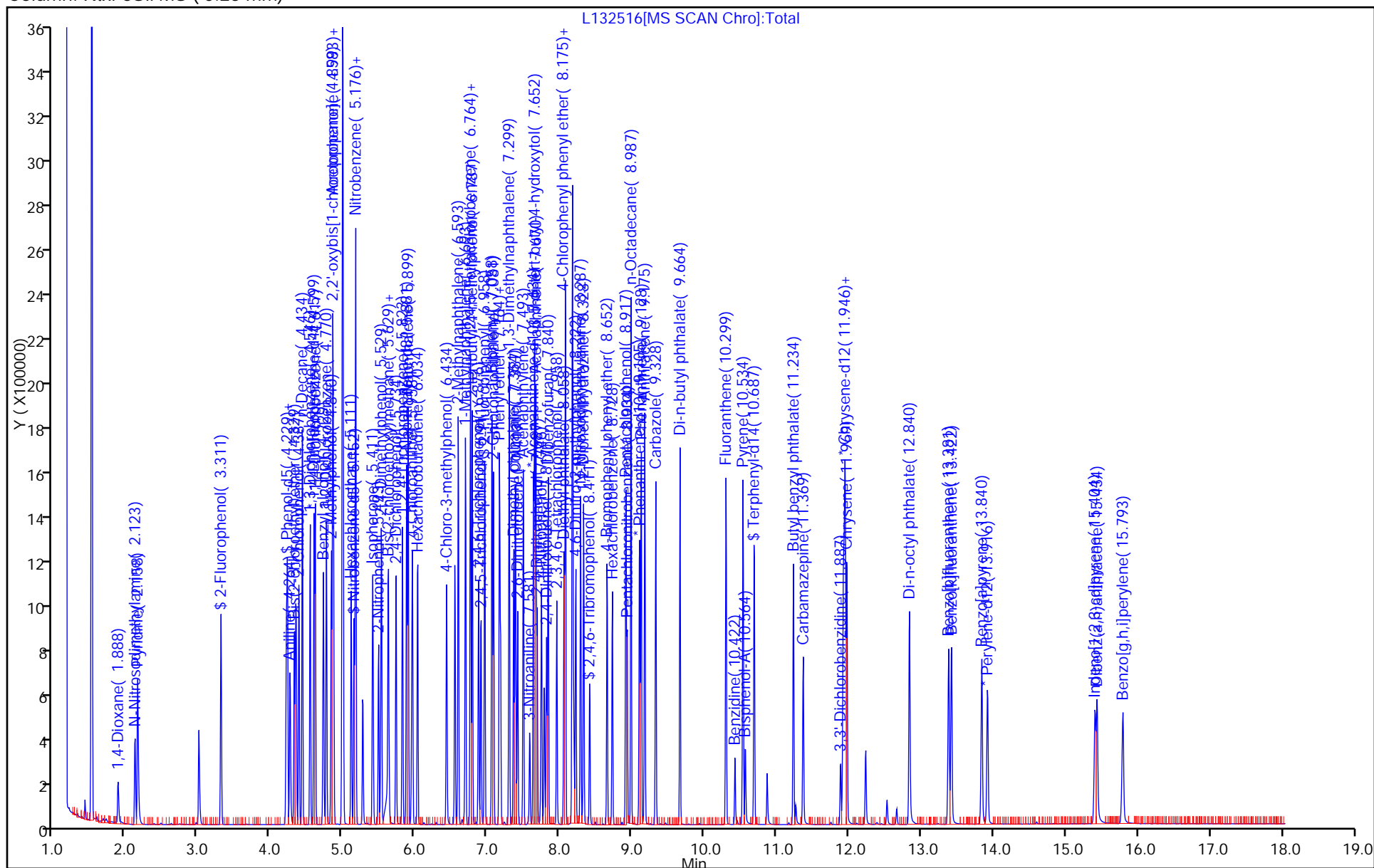
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-361719/3-A
 Matrix: Solid Lab File ID: L132517.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/10/2016 09:03
 Sample wt/vol: 15.0000 (g) Date Analyzed: 04/11/2016 23:09
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 361964 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|---------------|--------|---|-----|-----|
| 1912-24-9 | Atrazine | 6730 | | 130 | 15 |
| 100-52-7 | Benzaldehyde | 5950 | | 330 | 25 |
| 105-60-2 | Caprolactam | 6900 | | 330 | 24 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 79 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 87 | * | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 76 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 85 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 76 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 96 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132517.D
 Lims ID: LCS 460-361719/3-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 11-Apr-2016 23:09:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039729-009
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:44:52 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: zhaoc

Date: 12-Apr-2016 08:59:29

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.311 | 3.294 | 0.017 | 93 | 247850 | 50.0 | 38.2 | |
| 5 Benzaldehyde | 77 | 4.164 | 4.158 | 0.006 | 93 | 478664 | 100.0 | 89.2 | |
| \$ 6 Phenol-d5 | 99 | 4.211 | 4.211 | 0.000 | 86 | 298524 | 50.0 | 37.9 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.599 | 4.594 | 0.005 | 97 | 190905 | 40.0 | 40.0 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.146 | 5.152 | -0.006 | 92 | 281204 | 50.0 | 42.4 | |
| * 36 Naphthalene-d8 | 136 | 5.876 | 5.876 | 0.000 | 99 | 692951 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.287 | 6.270 | 0.017 | 89 | 138315 | 100.0 | 103.5 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.958 | 6.964 | -0.006 | 98 | 509190 | 50.0 | 43.7 | |
| * 63 Acenaphthene-d10 | 164 | 7.634 | 7.635 | -0.001 | 93 | 326018 | 40.0 | 40.0 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.411 | 8.417 | -0.006 | 94 | 53812 | 50.0 | 39.5 | |
| 82 Atrazine | 200 | 8.811 | 8.811 | 0.000 | 89 | 225767 | 100.0 | 101.0 | |
| * 85 Phenanthrene-d10 | 188 | 9.099 | 9.099 | 0.000 | 99 | 454267 | 40.0 | 40.0 | |
| \$ 94 Terphenyl-d14 | 244 | 10.687 | 10.693 | -0.006 | 99 | 399171 | 50.0 | 48.0 | |
| * 100 Chrysene-d12 | 240 | 11.934 | 11.934 | 0.000 | 98 | 332599 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.916 | 13.916 | 0.000 | 96 | 260294 | 40.0 | 40.0 | |

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39729.b\\L132517.D

Injection Date: 11-Apr-2016 23:09:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: LCS 460-361719/3-A

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

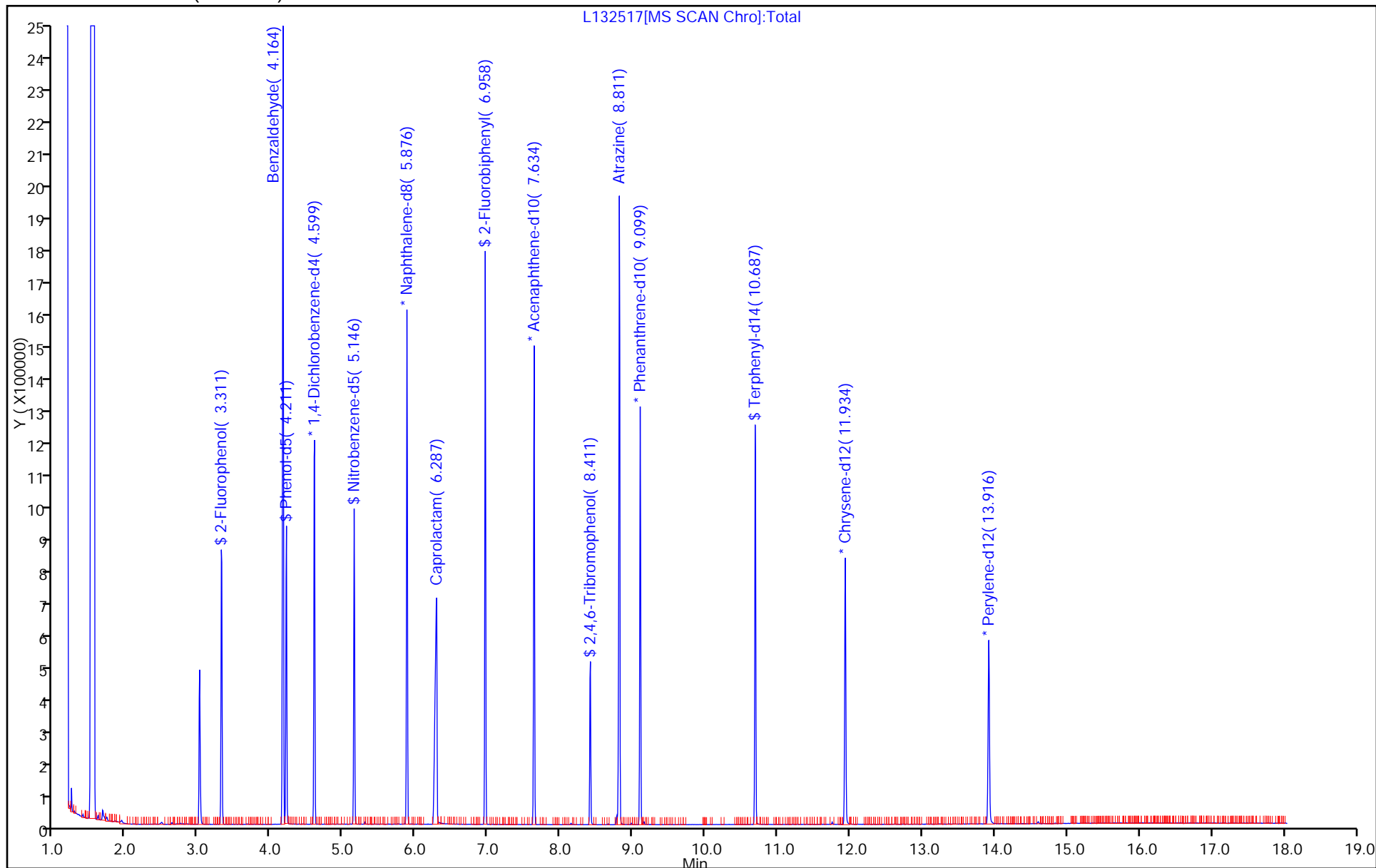
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|--|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>LCS 460-361911/2-A</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132576.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: _____ |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0000 (g)</u> | Date Analyzed: <u>04/13/2016 08:42</u> |
| Con. Extract Vol.: <u>1 (mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1 (uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: _____ | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 2720 | | 330 | 28 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2820 | | 330 | 25 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 2390 | | 330 | 14 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2390 | | 330 | 31 |
| 95-95-4 | 2,4,5-Trichlorophenol | 2390 | | 330 | 33 |
| 88-06-2 | 2,4,6-Trichlorophenol | 2570 | | 130 | 9.4 |
| 120-83-2 | 2,4-Dichlorophenol | 2440 | | 130 | 7.8 |
| 105-67-9 | 2,4-Dimethylphenol | 2410 | | 330 | 73 |
| 51-28-5 | 2,4-Dinitrophenol | 4360 | | 270 | 250 |
| 121-14-2 | 2,4-Dinitrotoluene | 2580 | | 67 | 13 |
| 606-20-2 | 2,6-Dinitrotoluene | 2630 | | 67 | 18 |
| 91-58-7 | 2-Chloronaphthalene | 2770 | | 330 | 7.5 |
| 95-57-8 | 2-Chlorophenol | 2420 | | 330 | 8.4 |
| 91-57-6 | 2-Methylnaphthalene | 2410 | | 330 | 7.3 |
| 95-48-7 | 2-Methylphenol | 2320 | | 330 | 14 |
| 88-74-4 | 2-Nitroaniline | 2650 | | 330 | 11 |
| 88-75-5 | 2-Nitrophenol | 2590 | | 330 | 11 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1530 | | 130 | 37 |
| 99-09-2 | 3-Nitroaniline | 1750 | | 330 | 9.8 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 5330 | | 270 | 88 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 3000 | | 330 | 10 |
| 59-50-7 | 4-Chloro-3-methylphenol | 2410 | | 330 | 14 |
| 106-47-8 | 4-Chloroaniline | 1400 | | 330 | 8.5 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 2560 | | 330 | 9.9 |
| 106-44-5 | 4-Methylphenol | 2320 | | 330 | 9.0 |
| 100-01-6 | 4-Nitroaniline | 2240 | | 330 | 13 |
| 100-02-7 | 4-Nitrophenol | 4560 | | 670 | 160 |
| 83-32-9 | Acenaphthene | 2460 | | 330 | 8.0 |
| 208-96-8 | Acenaphthylene | 2720 | | 330 | 8.5 |
| 98-86-2 | Acetophenone | 2300 | | 330 | 7.2 |
| 120-12-7 | Anthracene | 2880 | | 330 | 31 |
| 56-55-3 | Benzo[a]anthracene | 2760 | | 33 | 28 |
| 50-32-8 | Benzo[a]pyrene | 2990 | | 33 | 10 |
| 205-99-2 | Benzo[b]fluoranthene | 2940 | | 33 | 13 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|--|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>LCS 460-361911/2-A</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132576.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: _____ |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0000 (g)</u> | Date Analyzed: <u>04/13/2016 08:42</u> |
| Con. Extract Vol.: <u>1 (mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1 (uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: _____ | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|---|-----|-----|
| 191-24-2 | Benzo[g,h,i]perylene | 2920 | | 330 | 19 |
| 207-08-9 | Benzo[k]fluoranthene | 3010 | | 33 | 14 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 2510 | | 330 | 10 |
| 111-44-4 | Bis(2-chloroethyl)ether | 2450 | | 33 | 7.8 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 2840 | | 330 | 13 |
| 85-68-7 | Butyl benzyl phthalate | 2880 | | 330 | 10 |
| 86-74-8 | Carbazole | 2700 | | 330 | 8.2 |
| 218-01-9 | Chrysene | 2920 | | 330 | 9.0 |
| 53-70-3 | Dibenz(a,h)anthracene | 3080 | | 33 | 17 |
| 132-64-9 | Dibenzofuran | 2630 | | 330 | 10 |
| 84-66-2 | Diethyl phthalate | 2510 | | 330 | 9.4 |
| 131-11-3 | Dimethyl phthalate | 2590 | | 330 | 9.6 |
| 84-74-2 | Di-n-butyl phthalate | 2680 | | 330 | 9.9 |
| 117-84-0 | Di-n-octyl phthalate | 2970 | | 330 | 17 |
| 206-44-0 | Fluoranthene | 2610 | | 330 | 9.8 |
| 86-73-7 | Fluorene | 2540 | | 330 | 7.2 |
| 118-74-1 | Hexachlorobenzene | 2880 | | 33 | 13 |
| 87-68-3 | Hexachlorobutadiene | 2580 | | 67 | 9.3 |
| 77-47-4 | Hexachlorocyclopentadiene | 3490 | | 330 | 21 |
| 67-72-1 | Hexachloroethane | 2420 | | 33 | 12 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 3610 | | 33 | 22 |
| 78-59-1 | Isophorone | 2610 | | 130 | 7.1 |
| 91-20-3 | Naphthalene | 2560 | | 330 | 8.4 |
| 98-95-3 | Nitrobenzene | 2690 | | 33 | 10 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 2410 | | 33 | 11 |
| 86-30-6 | N-Nitrosodiphenylamine | 2960 | | 330 | 30 |
| 87-86-5 | Pentachlorophenol | 4860 | | 270 | 40 |
| 85-01-8 | Phenanthrene | 2770 | | 330 | 8.8 |
| 108-95-2 | Phenol | 2360 | | 330 | 11 |
| 129-00-0 | Pyrene | 3040 | | 330 | 15 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-361911/2-A
 Matrix: Solid Lab File ID: L132576.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/11/2016 13:02
 Sample wt/vol: 15.0000 (g) Date Analyzed: 04/13/2016 08:42
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 362222 Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 68 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 80 | | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 70 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 76 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 69 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 90 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132576.D
 Lims ID: LCS 460-361911/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 13-Apr-2016 08:42:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-008
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:29:05

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.794 | 1.741 | 0.053 | 96 | 74123 | 50.0 | 22.4 | |
| 2 N-Nitrosodimethylamine | 74 | 2.023 | 1.982 | 0.041 | 77 | 185932 | 50.0 | 38.9 | |
| 3 Pyridine | 79 | 2.058 | 2.017 | 0.041 | 79 | 256332 | 50.0 | 30.2 | |
| \$ 4 2-Fluorophenol | 112 | 3.194 | 3.182 | 0.012 | 93 | 302449 | 50.0 | 35.2 | |
| \$ 6 Phenol-d5 | 99 | 4.105 | 4.105 | 0.000 | 88 | 361524 | 50.0 | 34.7 | |
| 7 Phenol | 94 | 4.117 | 4.123 | -0.006 | 98 | 368314 | 50.0 | 35.5 | |
| 8 Aniline | 93 | 4.147 | 4.146 | 0.000 | 99 | 384759 | 50.0 | 30.4 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.205 | 4.211 | -0.006 | 93 | 304522 | 50.0 | 36.7 | |
| 10 2-Chlorophenol | 128 | 4.270 | 4.270 | 0.000 | 94 | 317631 | 50.0 | 36.2 | |
| 11 n-Decane | 43 | 4.317 | 4.317 | 0.000 | 95 | 444191 | 50.0 | 32.9 | |
| 12 1,3-Dichlorobenzene | 146 | 4.423 | 4.423 | 0.000 | 95 | 357946 | 50.0 | 36.8 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.476 | 4.476 | 0.000 | 97 | 252794 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.494 | 4.493 | 0.001 | 94 | 361790 | 50.0 | 36.6 | |
| 15 Benzyl alcohol | 108 | 4.611 | 4.611 | 0.000 | 92 | 194361 | 50.0 | 36.0 | |
| 16 1,2-Dichlorobenzene | 146 | 4.646 | 4.652 | -0.006 | 95 | 340337 | 50.0 | 36.4 | |
| 17 2-Methylphenol | 108 | 4.723 | 4.729 | -0.006 | 90 | 263610 | 50.0 | 34.8 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.752 | 4.752 | 0.000 | 92 | 607777 | 50.0 | 35.9 | |
| 19 4-Methylphenol | 108 | 4.882 | 4.887 | -0.005 | 73 | 289147 | 50.0 | 34.8 | |
| 20 3 & 4 Methylphenol | 108 | 4.882 | 4.887 | -0.005 | 76 | 289147 | 50.0 | 34.8 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.882 | 4.887 | -0.005 | 92 | 209939 | 50.0 | 36.2 | |
| 22 Acetophenone | 105 | 4.882 | 4.887 | -0.005 | 89 | 369087 | 50.0 | 34.5 | |
| 25 Hexachloroethane | 117 | 4.988 | 4.993 | -0.005 | 94 | 139678 | 50.0 | 36.2 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.029 | 5.035 | -0.006 | 92 | 320628 | 50.0 | 38.2 | |
| 27 Nitrobenzene | 77 | 5.052 | 5.058 | -0.006 | 89 | 434080 | 50.0 | 40.4 | |
| 28 n,n'-Dimethylaniline | 120 | 5.058 | 5.058 | 0.000 | 93 | 492578 | 50.0 | 40.1 | |
| 29 Isophorone | 82 | 5.293 | 5.299 | -0.006 | 98 | 519241 | 50.0 | 39.1 | |
| 30 2-Nitrophenol | 139 | 5.370 | 5.376 | -0.006 | 89 | 158609 | 50.0 | 38.9 | |
| 31 2,4-Dimethylphenol | 122 | 5.417 | 5.423 | -0.006 | 91 | 245749 | 50.0 | 36.2 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.511 | 5.517 | -0.006 | 97 | 325139 | 50.0 | 37.7 | |
| 33 Benzoic acid | 122 | 5.523 | 5.535 | -0.011 | 91 | 94726 | 50.0 | 27.8 | |
| 34 2,4-Dichlorophenol | 162 | 5.617 | 5.623 | -0.006 | 95 | 221707 | 50.0 | 36.5 | |
| 35 1,2,4-Trichlorobenzene | 180 | 5.699 | 5.705 | -0.006 | 95 | 261645 | 50.0 | 39.6 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| * 36 Naphthalene-d8 | 136 | 5.758 | 5.758 | 0.000 | 99 | 875306 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.782 | 5.787 | -0.005 | 99 | 865452 | 50.0 | 38.4 | |
| 38 4-Chloroaniline | 127 | 5.835 | 5.840 | -0.005 | 97 | 189753 | 50.0 | 21.0 | |
| 39 Hexachlorobutadiene | 225 | 5.911 | 5.917 | -0.006 | 93 | 144051 | 50.0 | 38.7 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.323 | 6.323 | 0.000 | 98 | 214827 | 50.0 | 36.1 | |
| 42 2-Methylnaphthalene | 142 | 6.476 | 6.482 | -0.006 | 86 | 539170 | 50.0 | 36.1 | |
| 43 1-Methylnaphthalene | 142 | 6.576 | 6.576 | 0.000 | 94 | 502272 | 50.0 | 38.8 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.640 | 6.646 | -0.006 | 94 | 140524 | 50.0 | 52.4 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.646 | 6.652 | -0.006 | 96 | 215847 | 50.0 | 42.3 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.676 | 6.681 | -0.005 | 90 | 363616 | 50.0 | 37.3 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.758 | 6.764 | -0.006 | 88 | 132771 | 50.0 | 38.6 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.793 | 6.793 | 0.000 | 96 | 127928 | 50.0 | 35.8 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.840 | 6.846 | -0.006 | 98 | 548826 | 50.0 | 40.2 | |
| 51 1,1'-Biphenyl | 154 | 6.940 | 6.946 | -0.006 | 95 | 611345 | 50.0 | 40.8 | |
| 52 2-Chloronaphthalene | 162 | 6.958 | 6.964 | -0.006 | 97 | 461491 | 50.0 | 41.6 | |
| 53 Phenyl ether | 170 | 7.046 | 7.046 | 0.000 | 90 | 325441 | 50.0 | 42.3 | |
| 54 2-Nitroaniline | 65 | 7.058 | 7.064 | -0.006 | 95 | 165749 | 50.0 | 39.7 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.176 | 7.181 | -0.005 | 91 | 404268 | 50.0 | 43.4 | |
| 58 Dimethyl phthalate | 163 | 7.240 | 7.246 | -0.006 | 99 | 450820 | 50.0 | 38.8 | |
| 59 Coumarin | 146 | 7.264 | 7.270 | -0.006 | 74 | 158330 | 50.0 | 36.0 | |
| 60 2,6-Dinitrotoluene | 165 | 7.299 | 7.305 | -0.006 | 94 | 106219 | 50.0 | 39.4 | |
| 61 Acenaphthylene | 152 | 7.376 | 7.376 | 0.000 | 97 | 699108 | 50.0 | 40.8 | |
| 62 3-Nitroaniline | 138 | 7.464 | 7.470 | -0.006 | 95 | 77430 | 50.0 | 26.2 | |
| * 63 Acenaphthene-d10 | 164 | 7.511 | 7.511 | 0.000 | 93 | 382088 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.535 | 7.534 | 0.001 | 98 | 395460 | 50.0 | 43.4 | |
| 65 Acenaphthene | 154 | 7.546 | 7.552 | -0.006 | 95 | 442194 | 50.0 | 37.0 | |
| 66 2,4-Dinitrophenol | 184 | 7.570 | 7.570 | 0.000 | 93 | 104701 | 100.0 | 65.4 | |
| 67 4-Nitrophenol | 65 | 7.635 | 7.640 | -0.005 | 93 | 143325 | 100.0 | 68.4 | |
| 68 2,4-Dinitrotoluene | 165 | 7.699 | 7.705 | -0.006 | 97 | 127908 | 50.0 | 38.8 | |
| 69 Dibenzofuran | 168 | 7.717 | 7.723 | -0.006 | 96 | 608997 | 50.0 | 39.5 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.840 | 7.840 | 0.000 | 94 | 97513 | 50.0 | 35.9 | |
| 71 Diethyl phthalate | 149 | 7.940 | 7.946 | -0.006 | 98 | 432413 | 50.0 | 37.6 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.052 | 8.058 | -0.006 | 83 | 203652 | 50.0 | 38.5 | |
| 74 Fluorene | 166 | 8.052 | 8.058 | -0.006 | 96 | 469148 | 50.0 | 38.1 | |
| 75 4-Nitroaniline | 138 | 8.070 | 8.076 | -0.006 | 93 | 93898 | 50.0 | 33.5 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.099 | 8.105 | -0.006 | 80 | 132399 | 100.0 | 80.0 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.170 | 8.176 | -0.006 | 68 | 319202 | 50.0 | 44.4 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.211 | 8.217 | -0.006 | 99 | 484806 | 50.0 | 46.3 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.293 | 8.299 | -0.006 | 94 | 54128 | 50.0 | 34.0 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.534 | 8.540 | -0.006 | 85 | 115471 | 50.0 | 45.0 | |
| 81 Hexachlorobenzene | 284 | 8.605 | 8.611 | -0.006 | 99 | 113555 | 50.0 | 43.2 | |
| 83 Pentachlorophenol | 266 | 8.793 | 8.799 | -0.006 | 92 | 116251 | 100.0 | 72.8 | |
| 84 Pentachloronitrobenzene | 237 | 8.811 | 8.817 | -0.006 | 86 | 48707 | 50.0 | 46.0 | |
| 72 n-Octadecane | 57 | 8.870 | 8.875 | -0.005 | 93 | 406960 | 50.0 | 43.4 | |
| * 85 Phenanthrene-d10 | 188 | 8.976 | 8.982 | -0.006 | 99 | 473000 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 8.999 | 9.005 | -0.006 | 98 | 569688 | 50.0 | 41.6 | |
| 87 Anthracene | 178 | 9.052 | 9.058 | -0.006 | 98 | 591519 | 50.0 | 43.2 | |
| 88 Carbazole | 167 | 9.205 | 9.211 | -0.006 | 96 | 483716 | 50.0 | 40.5 | |
| 89 Di-n-butyl phthalate | 149 | 9.546 | 9.552 | -0.006 | 100 | 603203 | 50.0 | 40.1 | |
| 90 Fluoranthene | 202 | 10.170 | 10.175 | -0.005 | 97 | 488412 | 50.0 | 39.1 | |
| 91 Benzidine | 184 | 10.299 | 10.305 | -0.006 | 99 | 113176 | 50.0 | 20.1 | |
| 92 Pyrene | 202 | 10.399 | 10.405 | -0.006 | 97 | 477033 | 50.0 | 45.6 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| 93 Bisphenol-A | 213 | 10.440 | 10.446 | -0.006 | 99 | 75152 | 25.0 | 17.9 | |
| \$ 94 Terphenyl-d14 | 244 | 10.558 | 10.564 | -0.006 | 99 | 320309 | 50.0 | 44.9 | |
| 95 Butyl benzyl phthalate | 149 | 11.093 | 11.099 | -0.006 | 98 | 202767 | 50.0 | 43.1 | |
| 97 Carbamazepine | 193 | 11.223 | 11.234 | -0.011 | 92 | 106496 | 50.0 | 30.6 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.734 | 11.740 | -0.006 | 99 | 65714 | 50.0 | 23.0 | |
| 99 Benzo[a]anthracene | 228 | 11.770 | 11.775 | -0.005 | 99 | 359916 | 50.0 | 41.5 | |
| * 100 Chrysene-d12 | 240 | 11.781 | 11.781 | 0.000 | 98 | 285453 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.805 | 11.811 | -0.006 | 90 | 280384 | 50.0 | 42.6 | |
| 101 Chrysene | 228 | 11.817 | 11.822 | -0.005 | 98 | 343457 | 50.0 | 43.9 | |
| 103 Di-n-octyl phthalate | 149 | 12.675 | 12.687 | -0.012 | 97 | 426543 | 50.0 | 44.6 | |
| 104 Benzo[b]fluoranthene | 252 | 13.205 | 13.216 | -0.011 | 98 | 290418 | 50.0 | 44.1 | |
| 105 Benzo[k]fluoranthene | 252 | 13.240 | 13.252 | -0.012 | 99 | 310945 | 50.0 | 45.2 | |
| 106 Benzo[a]pyrene | 252 | 13.658 | 13.669 | -0.011 | 96 | 278782 | 50.0 | 44.9 | |
| * 107 Perylene-d12 | 264 | 13.734 | 13.740 | -0.006 | 96 | 226696 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.205 | 15.222 | -0.017 | 98 | 302312 | 50.0 | 54.1 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.234 | 15.252 | -0.018 | 95 | 247002 | 50.0 | 46.2 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.575 | 15.593 | -0.018 | 95 | 260995 | 50.0 | 43.9 | |

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

Chrom Revision: 2.2 04-Mar-2016 14:36:24

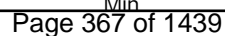
Operator ID:
Worklist Smp#: 8

ALS Bottle#: 8

ALS Bottle#: 8

Limit Group: SV 8270D ICAL

L132576[MS SCAN Chro]:Total



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-361911/3-A
 Matrix: Solid Lab File ID: L132577.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/11/2016 13:02
 Sample wt/vol: 15.0000 (g) Date Analyzed: 04/13/2016 09:08
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 362222 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|---------------|--------|---|-----|-----|
| 1912-24-9 | Atrazine | 5820 | | 130 | 15 |
| 100-52-7 | Benzaldehyde | 5040 | | 330 | 25 |
| 105-60-2 | Caprolactam | 5840 | | 330 | 24 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 48 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 81 | | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 71 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 78 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 72 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 94 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132577.D
 Lims ID: LCS 460-361911/3-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 13-Apr-2016 09:08:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-009
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:29:34

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-----------------------------|-----|--------------|------------------|------------------|----|----------|------------------|--------------------|-------|
| \$ 4 2-Fluorophenol | 112 | 3.188 | 3.182 | 0.006 | 93 | 261026 | 50.0 | 35.7 | |
| 5 Benzaldehyde | 77 | 4.041 | 4.035 | 0.006 | 94 | 456818 | 100.0 | 75.5 | |
| \$ 6 Phenol-d5 | 99 | 4.093 | 4.105 | -0.012 | 86 | 319210 | 50.0 | 36.0 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.476 | 4.476 | 0.000 | 97 | 215161 | 40.0 | 40.0 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.029 | 5.035 | -0.006 | 92 | 291789 | 50.0 | 39.1 | |
| * 36 Naphthalene-d8 | 136 | 5.758 | 5.758 | 0.000 | 99 | 779186 | 40.0 | 40.0 | |
| 40 Caprolactam | 113 | 6.164 | 6.164 | 0.000 | 88 | 131687 | 100.0 | 87.7 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.840 | 6.846 | -0.006 | 98 | 513679 | 50.0 | 40.6 | |
| * 63 Acenaphthene-d10 | 164 | 7.511 | 7.511 | 0.000 | 93 | 354576 | 40.0 | 40.0 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.287 | 8.299 | -0.012 | 92 | 34991 | 50.0 | 23.8 | |
| 82 Atrazine | 200 | 8.693 | 8.693 | 0.000 | 88 | 195989 | 100.0 | 87.4 | |
| * 85 Phenanthrene-d10 | 188 | 8.976 | 8.982 | -0.006 | 99 | 455793 | 40.0 | 40.0 | |
| \$ 94 Terphenyl-d14 | 244 | 10.558 | 10.564 | -0.006 | 99 | 322145 | 50.0 | 47.1 | |
| * 100 Chrysene-d12 | 240 | 11.775 | 11.781 | -0.006 | 98 | 273717 | 40.0 | 40.0 | |
| * 107 Perylene-d12 | 264 | 13.734 | 13.740 | -0.006 | 97 | 221221 | 40.0 | 40.0 | |

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132577.D

Injection Date: 13-Apr-2016 09:08:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: LCS 460-361911/3-A

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

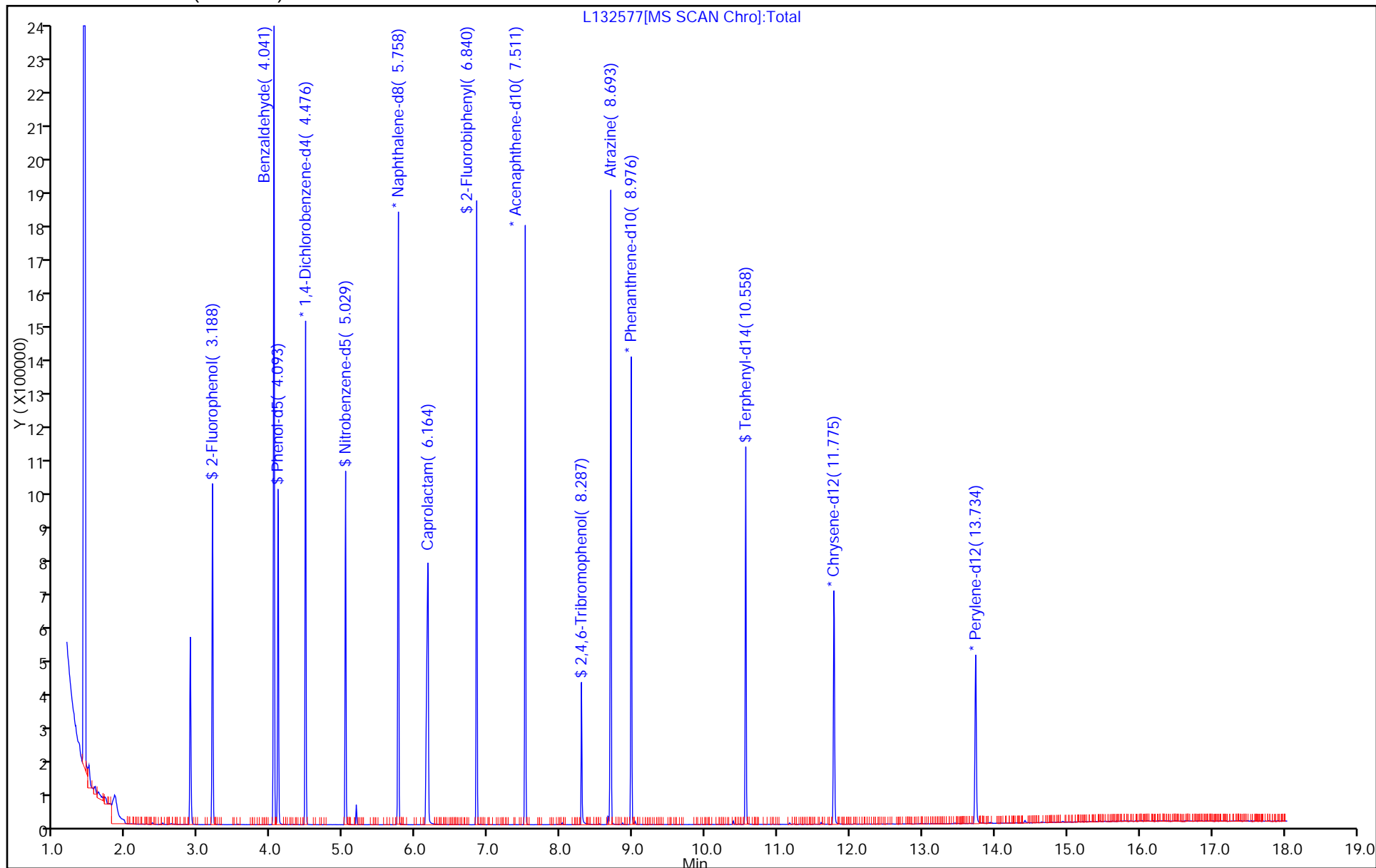
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>B4 MS</u> | Lab Sample ID: <u>460-111850-3 MS</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132581.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 13:25</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0247(g)</u> | Date Analyzed: <u>04/13/2016 10:52</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>6.2</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 2480 | | 350 | 30 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2580 | | 350 | 26 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 2190 | | 350 | 14 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1290 | | 350 | 33 |
| 95-95-4 | 2,4,5-Trichlorophenol | 1770 | | 350 | 35 |
| 88-06-2 | 2,4,6-Trichlorophenol | 1960 | | 140 | 10 |
| 120-83-2 | 2,4-Dichlorophenol | 1970 | | 140 | 8.3 |
| 105-67-9 | 2,4-Dimethylphenol | 2080 | | 350 | 77 |
| 51-28-5 | 2,4-Dinitrophenol | 328 | | 280 | 270 |
| 121-14-2 | 2,4-Dinitrotoluene | 2390 | | 71 | 14 |
| 606-20-2 | 2,6-Dinitrotoluene | 2440 | | 71 | 19 |
| 91-58-7 | 2-Chloronaphthalene | 2520 | | 350 | 8.0 |
| 95-57-8 | 2-Chlorophenol | 2120 | | 350 | 8.9 |
| 91-57-6 | 2-Methylnaphthalene | 2190 | | 350 | 7.8 |
| 95-48-7 | 2-Methylphenol | 2080 | | 350 | 15 |
| 88-74-4 | 2-Nitroaniline | 2400 | | 350 | 12 |
| 88-75-5 | 2-Nitrophenol | 1780 | | 350 | 12 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2050 | | 140 | 39 |
| 99-09-2 | 3-Nitroaniline | 2030 | | 350 | 10 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 886 | | 280 | 94 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 2650 | | 350 | 11 |
| 59-50-7 | 4-Chloro-3-methylphenol | 2060 | | 350 | 15 |
| 106-47-8 | 4-Chloroaniline | 1360 | | 350 | 9.0 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 2310 | | 350 | 11 |
| 106-44-5 | 4-Methylphenol | 2080 | | 350 | 9.6 |
| 100-01-6 | 4-Nitroaniline | 2120 | | 350 | 13 |
| 100-02-7 | 4-Nitrophenol | 3380 | | 710 | 170 |
| 83-32-9 | Acenaphthene | 2130 | | 350 | 8.5 |
| 208-96-8 | Acenaphthylene | 2470 | | 350 | 9.0 |
| 98-86-2 | Acetophenone | 2120 | | 350 | 7.7 |
| 120-12-7 | Anthracene | 2540 | | 350 | 33 |
| 1912-24-9 | Atrazine | 5190 | | 140 | 16 |
| 100-52-7 | Benzaldehyde | 4320 | | 350 | 27 |
| 56-55-3 | Benzo[a]anthracene | 2510 | | 35 | 29 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>B4 MS</u> | Lab Sample ID: <u>460-111850-3 MS</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132581.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 13:25</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0247(g)</u> | Date Analyzed: <u>04/13/2016 10:52</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>6.2</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|---|-----|-----|
| 50-32-8 | Benzo[a]pyrene | 2730 | | 35 | 11 |
| 205-99-2 | Benzo[b]fluoranthene | 2670 | | 35 | 14 |
| 191-24-2 | Benzo[g,h,i]perylene | 2690 | | 350 | 20 |
| 207-08-9 | Benzo[k]fluoranthene | 2690 | | 35 | 15 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 2330 | | 350 | 11 |
| 111-44-4 | Bis(2-chloroethyl)ether | 2230 | | 35 | 8.3 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 2550 | | 350 | 14 |
| 85-68-7 | Butyl benzyl phthalate | 2660 | | 350 | 11 |
| 105-60-2 | Caprolactam | 3610 | | 350 | 25 |
| 86-74-8 | Carbazole | 2420 | | 350 | 8.7 |
| 218-01-9 | Chrysene | 2660 | | 350 | 9.6 |
| 53-70-3 | Dibenz(a,h)anthracene | 2850 | | 35 | 18 |
| 132-64-9 | Dibenzofuran | 2390 | | 350 | 11 |
| 84-66-2 | Diethyl phthalate | 2320 | | 350 | 10 |
| 131-11-3 | Dimethyl phthalate | 2390 | | 350 | 10 |
| 84-74-2 | Di-n-butyl phthalate | 2460 | | 350 | 11 |
| 117-84-0 | Di-n-octyl phthalate | 2650 | | 350 | 18 |
| 206-44-0 | Fluoranthene | 2430 | | 350 | 10 |
| 86-73-7 | Fluorene | 2320 | | 350 | 7.7 |
| 118-74-1 | Hexachlorobenzene | 2580 | | 35 | 14 |
| 87-68-3 | Hexachlorobutadiene | 2400 | | 71 | 9.9 |
| 77-47-4 | Hexachlorocyclopentadiene | 2940 | | 350 | 22 |
| 67-72-1 | Hexachloroethane | 2260 | | 35 | 13 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 3330 | | 35 | 23 |
| 78-59-1 | Isophorone | 2430 | | 140 | 7.6 |
| 91-20-3 | Naphthalene | 2360 | | 350 | 8.9 |
| 98-95-3 | Nitrobenzene | 2380 | | 35 | 11 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 2270 | | 35 | 12 |
| 86-30-6 | N-Nitrosodiphenylamine | 2590 | | 350 | 32 |
| 87-86-5 | Pentachlorophenol | 640 | | 280 | 43 |
| 85-01-8 | Phenanthrene | 2480 | | 350 | 9.4 |
| 108-95-2 | Phenol | 2100 | | 350 | 11 |
| 129-00-0 | Pyrene | 2830 | | 350 | 16 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>B4 MS</u> | Lab Sample ID: <u>460-111850-3 MS</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132581.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 13:25</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0247(g)</u> | Date Analyzed: <u>04/13/2016 10:52</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>6.2</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 50 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 68 | | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 58 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 65 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 58 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 76 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132581.D
 Lims ID: 460-111850-A-3-D MS
 Client ID: B4
 Sample Type: MS
 Inject. Date: 13-Apr-2016 10:52:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-013
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:40:50

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.799 | 1.741 | 0.058 | 96 | 68821 | 50.0 | 20.5 | |
| 2 N-Nitrosodimethylamine | 74 | 2.029 | 1.982 | 0.047 | 77 | 160735 | 50.0 | 33.2 | |
| 3 Pyridine | 79 | 2.064 | 2.017 | 0.047 | 77 | 105233 | 50.0 | 12.2 | |
| \$ 4 2-Fluorophenol | 112 | 3.199 | 3.182 | 0.017 | 94 | 250726 | 50.0 | 28.8 | |
| 5 Benzaldehyde | 77 | 4.040 | 4.035 | 0.005 | 94 | 438079 | 100.0 | 60.9 | |
| \$ 6 Phenol-d5 | 99 | 4.105 | 4.105 | 0.000 | 88 | 308586 | 50.0 | 29.2 | |
| 7 Phenol | 94 | 4.117 | 4.123 | -0.006 | 98 | 311134 | 50.0 | 29.6 | |
| 8 Aniline | 93 | 4.146 | 4.146 | 0.000 | 99 | 217952 | 50.0 | 17.0 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.205 | 4.211 | -0.006 | 93 | 263627 | 50.0 | 31.4 | |
| 10 2-Chlorophenol | 128 | 4.270 | 4.270 | 0.000 | 95 | 265628 | 50.0 | 29.9 | |
| 11 n-Decane | 43 | 4.317 | 4.317 | 0.000 | 95 | 400477 | 50.0 | 29.3 | |
| 12 1,3-Dichlorobenzene | 146 | 4.423 | 4.423 | 0.000 | 95 | 311534 | 50.0 | 31.7 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.476 | 4.476 | 0.000 | 97 | 255989 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.493 | 4.493 | 0.000 | 94 | 319372 | 50.0 | 31.9 | |
| 15 Benzyl alcohol | 108 | 4.611 | 4.611 | 0.000 | 92 | 168048 | 50.0 | 30.7 | |
| 16 1,2-Dichlorobenzene | 146 | 4.646 | 4.652 | -0.006 | 95 | 300064 | 50.0 | 31.7 | |
| 17 2-Methylphenol | 108 | 4.723 | 4.729 | -0.006 | 90 | 224715 | 50.0 | 29.3 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.746 | 4.752 | -0.006 | 91 | 529558 | 50.0 | 30.9 | |
| 19 4-Methylphenol | 108 | 4.882 | 4.887 | -0.005 | 72 | 246459 | 50.0 | 29.3 | |
| 20 3 & 4 Methylphenol | 108 | 4.882 | 4.887 | -0.005 | 75 | 246459 | 50.0 | 29.3 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.882 | 4.887 | -0.005 | 94 | 188027 | 50.0 | 32.0 | |
| 22 Acetophenone | 105 | 4.882 | 4.887 | -0.005 | 92 | 323224 | 50.0 | 29.9 | |
| 25 Hexachloroethane | 117 | 4.987 | 4.993 | -0.006 | 94 | 124116 | 50.0 | 31.8 | |
| 24 2-Toluidine | 107 | 5.052 | 4.998 | 0.054 | 35 | 3863 | | NC | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.029 | 5.035 | -0.006 | 92 | 279922 | 50.0 | 32.5 | |
| 27 Nitrobenzene | 77 | 5.052 | 5.058 | -0.006 | 89 | 370173 | 50.0 | 33.5 | |
| 28 n,n'-Dimethylaniline | 120 | 5.052 | 5.058 | -0.006 | 94 | 382008 | 50.0 | 30.7 | |
| 29 Isophorone | 82 | 5.287 | 5.299 | -0.012 | 98 | 466694 | 50.0 | 34.2 | |
| 30 2-Nitrophenol | 139 | 5.370 | 5.376 | -0.006 | 89 | 105234 | 50.0 | 25.1 | |
| 31 2,4-Dimethylphenol | 122 | 5.417 | 5.423 | -0.006 | 91 | 204464 | 50.0 | 29.3 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.505 | 5.517 | -0.012 | 98 | 291498 | 50.0 | 32.9 | |
| 34 2,4-Dichlorophenol | 162 | 5.617 | 5.623 | -0.006 | 95 | 173241 | 50.0 | 27.8 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 35 1,2,4-Trichlorobenzene | 180 | 5.699 | 5.705 | -0.006 | 95 | 230348 | 50.0 | 33.9 | |
| * 36 Naphthalene-d8 | 136 | 5.758 | 5.758 | 0.000 | 99 | 899891 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.782 | 5.787 | -0.005 | 99 | 771244 | 50.0 | 33.3 | |
| 38 4-Chloroaniline | 127 | 5.834 | 5.840 | -0.006 | 97 | 178169 | 50.0 | 19.2 | |
| 39 Hexachlorobutadiene | 225 | 5.911 | 5.917 | -0.006 | 94 | 129446 | 50.0 | 33.9 | |
| 40 Caprolactam | 113 | 6.176 | 6.164 | 0.012 | 88 | 88207 | 100.0 | 50.8 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.329 | 6.323 | 0.006 | 98 | 176974 | 50.0 | 29.0 | |
| 42 2-Methylnaphthalene | 142 | 6.476 | 6.482 | -0.006 | 86 | 474077 | 50.0 | 30.9 | |
| 43 1-Methylnaphthalene | 142 | 6.576 | 6.576 | 0.000 | 94 | 442430 | 50.0 | 33.2 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.640 | 6.646 | -0.006 | 94 | 115777 | 50.0 | 41.5 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.646 | 6.652 | -0.006 | 97 | 193212 | 50.0 | 36.4 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.676 | 6.681 | -0.005 | 90 | 303587 | 50.0 | 30.3 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.758 | 6.764 | -0.006 | 87 | 98306 | 50.0 | 27.6 | |
| 56 1-Naphthylamine | 143 | 6.840 | 6.769 | 0.071 | 43 | 973 | | NC | |
| 49 2,4,5-Trichlorophenol | 196 | 6.799 | 6.793 | 0.006 | 95 | 92792 | 50.0 | 25.0 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.840 | 6.846 | -0.006 | 98 | 480893 | 50.0 | 33.9 | |
| 51 1,1'-Biphenyl | 154 | 6.940 | 6.946 | -0.006 | 95 | 543319 | 50.0 | 34.9 | |
| 52 2-Chloronaphthalene | 162 | 6.958 | 6.964 | -0.006 | 97 | 410309 | 50.0 | 35.5 | |
| 53 Phenyl ether | 170 | 7.046 | 7.046 | 0.000 | 90 | 283921 | 50.0 | 35.5 | |
| 54 2-Nitroaniline | 65 | 7.058 | 7.064 | -0.006 | 98 | 146734 | 50.0 | 33.8 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.181 | 7.181 | 0.000 | 92 | 358751 | 50.0 | 37.0 | |
| 58 Dimethyl phthalate | 163 | 7.240 | 7.246 | -0.006 | 99 | 406188 | 50.0 | 33.6 | |
| 59 Coumarin | 146 | 7.264 | 7.270 | -0.006 | 79 | 142287 | 50.0 | 31.5 | |
| 60 2,6-Dinitrotoluene | 165 | 7.299 | 7.305 | -0.006 | 94 | 96244 | 50.0 | 34.4 | |
| 61 Acenaphthylene | 152 | 7.376 | 7.376 | 0.000 | 98 | 621182 | 50.0 | 34.8 | |
| 62 3-Nitroaniline | 138 | 7.464 | 7.470 | -0.006 | 95 | 88019 | 50.0 | 28.7 | |
| * 63 Acenaphthene-d10 | 164 | 7.511 | 7.511 | 0.000 | 93 | 397386 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.534 | 7.534 | 0.000 | 98 | 282966 | 50.0 | 29.8 | |
| 65 Acenaphthene | 154 | 7.546 | 7.552 | -0.006 | 95 | 373870 | 50.0 | 30.1 | |
| 66 2,4-Dinitrophenol | 184 | 7.570 | 7.570 | 0.000 | 77 | 1631 | 100.0 | 4.62 | |
| 67 4-Nitrophenol | 65 | 7.634 | 7.640 | -0.006 | 92 | 103697 | 100.0 | 47.6 | |
| 68 2,4-Dinitrotoluene | 165 | 7.699 | 7.705 | -0.006 | 96 | 115598 | 50.0 | 33.7 | |
| 69 Dibenzofuran | 168 | 7.717 | 7.723 | -0.006 | 96 | 539313 | 50.0 | 33.6 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.840 | 7.840 | 0.000 | 92 | 51440 | 50.0 | 18.2 | |
| 71 Diethyl phthalate | 149 | 7.940 | 7.946 | -0.006 | 98 | 390065 | 50.0 | 32.6 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.052 | 8.058 | -0.006 | 84 | 179533 | 50.0 | 32.6 | |
| 74 Fluorene | 166 | 8.052 | 8.058 | -0.006 | 96 | 418592 | 50.0 | 32.7 | |
| 75 4-Nitroaniline | 138 | 8.070 | 8.076 | -0.006 | 92 | 87039 | 50.0 | 29.9 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.099 | 8.105 | -0.006 | 80 | 19340 | 100.0 | 12.5 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.170 | 8.176 | -0.006 | 68 | 280120 | 50.0 | 36.5 | |
| 57 2-Naphthylamine | 143 | 8.287 | 8.192 | 0.095 | 59 | 16854 | | NC | |
| 78 1,2-Diphenylhydrazine | 77 | 8.205 | 8.217 | -0.012 | 99 | 426545 | 50.0 | 38.1 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.293 | 8.299 | -0.006 | 93 | 41365 | 50.0 | 25.1 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.534 | 8.540 | -0.006 | 87 | 102295 | 50.0 | 37.3 | |
| 81 Hexachlorobenzene | 284 | 8.605 | 8.611 | -0.006 | 99 | 101877 | 50.0 | 36.3 | |
| 82 Atrazine | 200 | 8.693 | 8.693 | 0.000 | 88 | 181892 | 100.0 | 73.2 | |
| 83 Pentachlorophenol | 266 | 8.793 | 8.799 | -0.006 | 92 | 15371 | 100.0 | 9.02 | |
| 84 Pentachloronitrobenzene | 237 | 8.811 | 8.817 | -0.006 | 87 | 40947 | 50.0 | 36.2 | |
| 72 n-Octadecane | 57 | 8.870 | 8.875 | -0.005 | 93 | 352745 | 50.0 | 35.3 | |
| * 85 Phenanthrene-d10 | 188 | 8.975 | 8.982 | -0.007 | 99 | 504854 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 8.999 | 9.005 | -0.006 | 98 | 510757 | 50.0 | 35.0 | |
| 87 Anthracene | 178 | 9.052 | 9.058 | -0.006 | 98 | 523793 | 50.0 | 35.8 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 88 Carbazole | 167 | 9.205 | 9.211 | -0.006 | 96 | 434188 | 50.0 | 34.0 | |
| 89 Di-n-butyl phthalate | 149 | 9.546 | 9.552 | -0.006 | 100 | 555896 | 50.0 | 34.7 | |
| 90 Fluoranthene | 202 | 10.169 | 10.175 | -0.006 | 97 | 455975 | 50.0 | 34.2 | |
| 91 Benzidine | 184 | 10.299 | 10.305 | -0.006 | 99 | 10686 | 50.0 | 1.94 | |
| 92 Pyrene | 202 | 10.399 | 10.405 | -0.006 | 96 | 447088 | 50.0 | 39.9 | |
| 93 Bisphenol-A | 213 | 10.440 | 10.446 | -0.006 | 99 | 59278 | 25.0 | 13.2 | |
| \$ 94 Terphenyl-d14 | 244 | 10.558 | 10.564 | -0.006 | 99 | 292231 | 50.0 | 38.2 | |
| 95 Butyl benzyl phthalate | 149 | 11.093 | 11.099 | -0.006 | 98 | 188847 | 50.0 | 37.5 | |
| 97 Carbamazepine | 193 | 11.222 | 11.234 | -0.012 | 92 | 69640 | 50.0 | 18.7 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.734 | 11.740 | -0.006 | 99 | 88537 | 50.0 | 28.9 | |
| 99 Benzo[a]anthracene | 228 | 11.769 | 11.775 | -0.006 | 99 | 329029 | 50.0 | 35.4 | |
| * 100 Chrysene-d12 | 240 | 11.781 | 11.781 | 0.000 | 98 | 305750 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.805 | 11.811 | -0.006 | 88 | 253218 | 50.0 | 35.9 | |
| 101 Chrysene | 228 | 11.811 | 11.822 | -0.011 | 98 | 314907 | 50.0 | 37.6 | |
| 103 Di-n-octyl phthalate | 149 | 12.675 | 12.687 | -0.012 | 97 | 390017 | 50.0 | 37.4 | |
| 104 Benzo[b]fluoranthene | 252 | 13.205 | 13.216 | -0.011 | 98 | 270445 | 50.0 | 37.7 | |
| 105 Benzo[k]fluoranthene | 252 | 13.240 | 13.252 | -0.012 | 99 | 285051 | 50.0 | 38.0 | |
| 106 Benzo[a]pyrene | 252 | 13.657 | 13.669 | -0.012 | 96 | 260564 | 50.0 | 38.5 | |
| * 107 Perylene-d12 | 264 | 13.740 | 13.740 | 0.000 | 97 | 247182 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.204 | 15.222 | -0.018 | 98 | 285425 | 50.0 | 46.9 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.234 | 15.252 | -0.018 | 94 | 234570 | 50.0 | 40.2 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.575 | 15.593 | -0.018 | 94 | 245854 | 50.0 | 37.9 | |
| S 117 Total Cresols | 1 | | | | 0 | | | 58.6 | |
| 123 4,4'-DDD | 235 | 7.840 | 7.775 | 0.065 | 55 | 1926 | | NR | 7 |

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132581.D

Injection Date: 13-Apr-2016 10:52:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: 460-111850-A-3-D MS

Worklist Smp#: 13

Client ID: B4

Injection Vol: 1.0 ul

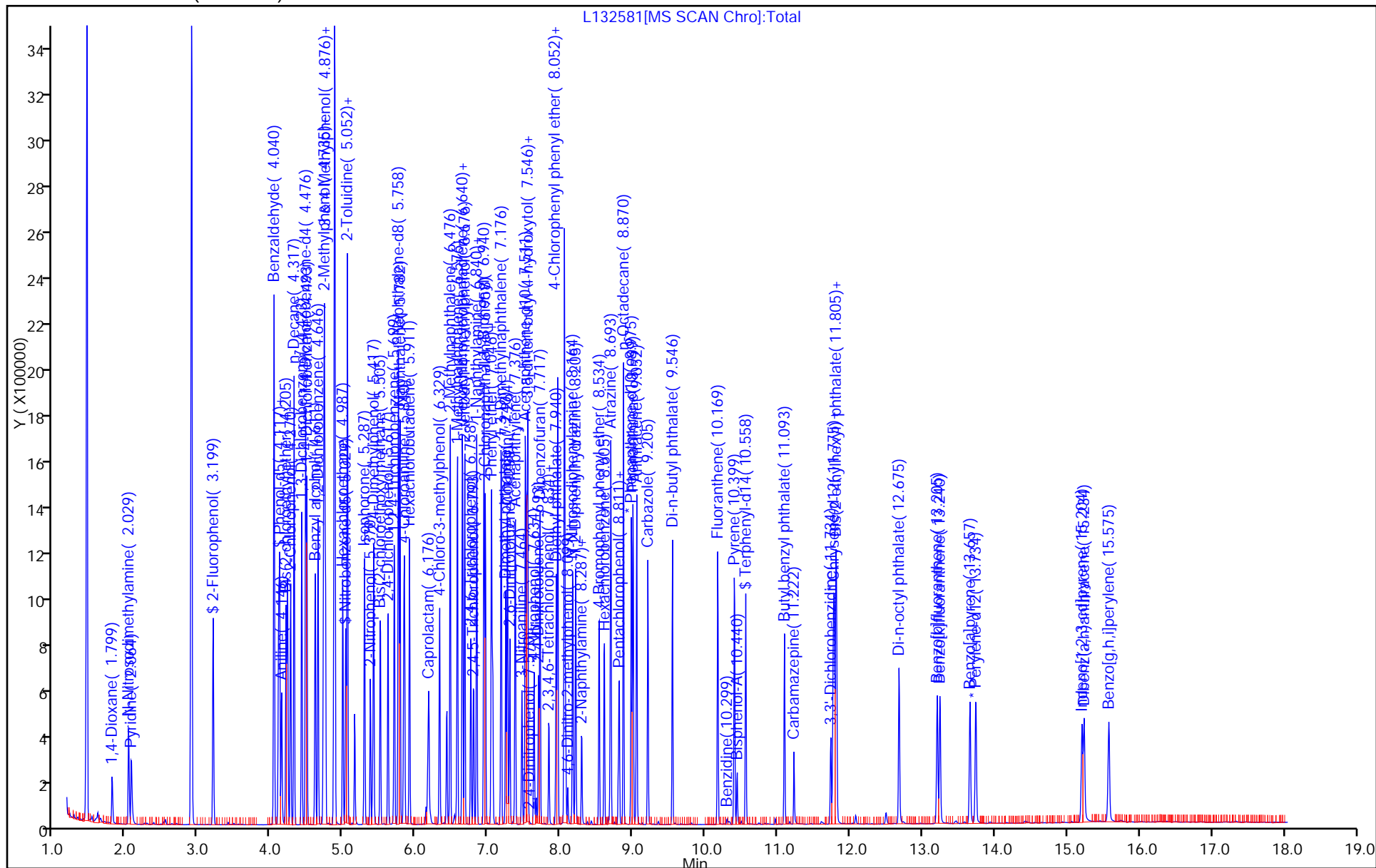
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>460-111767-D-4-B MS</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132525.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/05/2016 10:50</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0562(g)</u> | Date Analyzed: <u>04/12/2016 02:37</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>13.8</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 3520 | | 380 | 33 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 3420 | | 380 | 28 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 2980 | | 380 | 16 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 3040 | | 380 | 36 |
| 95-95-4 | 2,4,5-Trichlorophenol | 3020 | | 380 | 38 |
| 88-06-2 | 2,4,6-Trichlorophenol | 3170 | | 150 | 11 |
| 120-83-2 | 2,4-Dichlorophenol | 3050 | | 150 | 9.0 |
| 105-67-9 | 2,4-Dimethylphenol | 3090 | | 380 | 84 |
| 51-28-5 | 2,4-Dinitrophenol | 3790 | | 310 | 290 |
| 121-14-2 | 2,4-Dinitrotoluene | 3540 | | 77 | 15 |
| 606-20-2 | 2,6-Dinitrotoluene | 3460 | | 77 | 20 |
| 91-58-7 | 2-Chloronaphthalene | 3370 | | 380 | 8.7 |
| 95-57-8 | 2-Chlorophenol | 3030 | | 380 | 9.7 |
| 91-57-6 | 2-Methylnaphthalene | 4260 | | 380 | 8.4 |
| 95-48-7 | 2-Methylphenol | 3020 | | 380 | 17 |
| 88-74-4 | 2-Nitroaniline | 3270 | | 380 | 13 |
| 88-75-5 | 2-Nitrophenol | 2950 | | 380 | 13 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1660 | | 150 | 43 |
| 99-09-2 | 3-Nitroaniline | 1540 | | 380 | 11 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 5330 | | 310 | 100 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 3570 | | 380 | 12 |
| 59-50-7 | 4-Chloro-3-methylphenol | 3130 | | 380 | 16 |
| 106-47-8 | 4-Chloroaniline | 772 | | 380 | 9.8 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 3280 | | 380 | 11 |
| 106-44-5 | 4-Methylphenol | 2970 | | 380 | 10 |
| 100-01-6 | 4-Nitroaniline | 2800 | | 380 | 14 |
| 100-02-7 | 4-Nitrophenol | 6270 | | 770 | 180 |
| 83-32-9 | Acenaphthene | 3380 | | 380 | 9.2 |
| 208-96-8 | Acenaphthylene | 3420 | | 380 | 9.8 |
| 98-86-2 | Acetophenone | 3030 | | 380 | 8.3 |
| 120-12-7 | Anthracene | 3560 | | 380 | 36 |
| 1912-24-9 | Atrazine | 7170 | | 150 | 17 |
| 100-52-7 | Benzaldehyde | 6310 | | 380 | 29 |
| 56-55-3 | Benzo[a]anthracene | 3450 | | 38 | 32 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>460-111767-D-4-B MS</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132525.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/05/2016 10:50</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0562(g)</u> | Date Analyzed: <u>04/12/2016 02:37</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>13.8</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|---|-----|-----|
| 50-32-8 | Benzo[a]pyrene | 3600 | | 38 | 12 |
| 205-99-2 | Benzo[b]fluoranthene | 3630 | | 38 | 15 |
| 191-24-2 | Benzo[g,h,i]perylene | 3150 | | 380 | 22 |
| 207-08-9 | Benzo[k]fluoranthene | 3700 | | 38 | 17 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 3310 | | 380 | 12 |
| 111-44-4 | Bis(2-chloroethyl)ether | 3120 | | 38 | 9.0 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 3610 | | 380 | 15 |
| 85-68-7 | Butyl benzyl phthalate | 3690 | | 380 | 12 |
| 105-60-2 | Caprolactam | 6240 | | 380 | 27 |
| 86-74-8 | Carbazole | 3430 | | 380 | 9.5 |
| 218-01-9 | Chrysene | 3650 | | 380 | 10 |
| 53-70-3 | Dibenz(a,h)anthracene | 3460 | | 38 | 20 |
| 132-64-9 | Dibenzofuran | 3650 | | 380 | 12 |
| 84-66-2 | Diethyl phthalate | 3460 | | 380 | 11 |
| 131-11-3 | Dimethyl phthalate | 3440 | | 380 | 11 |
| 84-74-2 | Di-n-butyl phthalate | 3600 | | 380 | 11 |
| 117-84-0 | Di-n-octyl phthalate | 3950 | | 380 | 19 |
| 206-44-0 | Fluoranthene | 3790 | | 380 | 11 |
| 86-73-7 | Fluorene | 3920 | | 380 | 8.3 |
| 118-74-1 | Hexachlorobenzene | 3430 | | 38 | 15 |
| 87-68-3 | Hexachlorobutadiene | 3290 | | 77 | 11 |
| 77-47-4 | Hexachlorocyclopentadiene | 4220 | | 380 | 24 |
| 67-72-1 | Hexachloroethane | 3040 | | 38 | 14 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 4030 | | 38 | 25 |
| 78-59-1 | Isophorone | 3380 | | 150 | 8.2 |
| 91-20-3 | Naphthalene | 5390 | | 380 | 9.7 |
| 98-95-3 | Nitrobenzene | 3060 | | 38 | 12 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 3190 | | 38 | 13 |
| 86-30-6 | N-Nitrosodiphenylamine | 3480 | | 380 | 35 |
| 87-86-5 | Pentachlorophenol | 6030 | | 310 | 46 |
| 85-01-8 | Phenanthrene | 4910 | | 380 | 10 |
| 108-95-2 | Phenol | 2980 | | 380 | 12 |
| 129-00-0 | Pyrene | 3890 | | 380 | 17 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>460-111767-D-4-B MS</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132525.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/05/2016 10:50</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0562(g)</u> | Date Analyzed: <u>04/12/2016 02:37</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>13.8</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 72 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 82 | | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 71 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 77 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 73 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 88 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132525.D
 Lims ID: 460-111767-D-4-B MS
 Client ID:
 Sample Type: MS
 Inject. Date: 12-Apr-2016 02:37:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039729-017
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:44:52 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: zhaoc

Date: 12-Apr-2016 09:22:50

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.894 | 1.841 | 0.053 | 95 | 71503 | 50.0 | 25.6 | |
| 2 N-Nitrosodimethylamine | 74 | 2.129 | 2.082 | 0.047 | 77 | 161756 | 50.0 | 40.2 | |
| 3 Pyridine | 79 | 2.164 | 2.123 | 0.041 | 79 | 134955 | 50.0 | 18.8 | |
| \$ 4 2-Fluorophenol | 112 | 3.329 | 3.294 | 0.035 | 94 | 255847 | 50.0 | 35.3 | |
| 5 Benzaldehyde | 77 | 4.170 | 4.158 | 0.012 | 94 | 490653 | 100.0 | 81.9 | |
| \$ 6 Phenol-d5 | 99 | 4.223 | 4.211 | 0.012 | 87 | 321605 | 50.0 | 36.6 | |
| 7 Phenol | 94 | 4.235 | 4.229 | 0.006 | 98 | 339182 | 50.0 | 38.8 | |
| 8 Aniline | 93 | 4.270 | 4.264 | 0.006 | 99 | 143312 | 50.0 | 13.4 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.329 | 4.323 | 0.006 | 94 | 283572 | 50.0 | 40.5 | |
| 10 2-Chlorophenol | 128 | 4.394 | 4.388 | 0.006 | 95 | 291050 | 50.0 | 39.4 | |
| 11 n-Decane | 43 | 4.441 | 4.435 | 0.006 | 95 | 415884 | 50.0 | 36.5 | |
| 12 1,3-Dichlorobenzene | 146 | 4.552 | 4.547 | 0.005 | 95 | 323604 | 50.0 | 39.5 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.605 | 4.594 | 0.011 | 96 | 213022 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.617 | 4.617 | 0.000 | 93 | 326653 | 50.0 | 39.2 | |
| 15 Benzyl alcohol | 108 | 4.735 | 4.729 | 0.006 | 92 | 183267 | 50.0 | 40.3 | |
| 16 1,2-Dichlorobenzene | 146 | 4.776 | 4.770 | 0.006 | 95 | 310249 | 50.0 | 39.4 | |
| 17 2-Methylphenol | 108 | 4.841 | 4.835 | 0.006 | 89 | 250102 | 50.0 | 39.2 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.870 | 4.870 | 0.000 | 92 | 552162 | 50.0 | 38.7 | |
| 20 3 & 4 Methylphenol | 108 | 4.999 | 4.994 | 0.005 | 88 | 269868 | 50.0 | 38.5 | |
| 19 4-Methylphenol | 108 | 4.999 | 4.994 | 0.005 | 84 | 269868 | 50.0 | 38.5 | |
| 24 2-Toluidine | 107 | 4.994 | 4.998 | -0.004 | 88 | 519723 | | NC | |
| 21 N-Nitrosodi-n-propylamine | 70 | 5.005 | 4.999 | 0.006 | 84 | 202664 | 50.0 | 41.4 | |
| 22 Acetophenone | 105 | 5.005 | 4.999 | 0.006 | 90 | 354275 | 50.0 | 39.3 | |
| 25 Hexachloroethane | 117 | 5.117 | 5.111 | 0.006 | 95 | 128412 | 50.0 | 39.5 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.152 | 5.152 | 0.000 | 93 | 284939 | 50.0 | 38.7 | |
| 27 Nitrobenzene | 77 | 5.176 | 5.176 | 0.000 | 91 | 375263 | 50.0 | 39.8 | |
| 28 n,n'-Dimethylaniline | 120 | 5.176 | 5.176 | 0.000 | 94 | 352846 | 50.0 | 34.1 | |
| 29 Isophorone | 82 | 5.411 | 5.411 | 0.000 | 99 | 512104 | 50.0 | 43.9 | |
| 30 2-Nitrophenol | 139 | 5.494 | 5.494 | 0.000 | 89 | 137208 | 50.0 | 38.3 | |
| 31 2,4-Dimethylphenol | 122 | 5.535 | 5.529 | 0.006 | 91 | 238533 | 50.0 | 40.1 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.629 | 5.629 | 0.000 | 96 | 324662 | 50.0 | 42.9 | |
| 33 Benzoic acid | 122 | 5.611 | 5.635 | -0.024 | 89 | 35093 | 50.0 | 13.5 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 34 2,4-Dichlorophenol | 162 | 5.735 | 5.735 | 0.000 | 95 | 210964 | 50.0 | 39.6 | |
| 35 1,2,4-Trichlorobenzene | 180 | 5.823 | 5.823 | 0.000 | 95 | 245728 | 50.0 | 42.4 | |
| * 36 Naphthalene-d8 | 136 | 5.882 | 5.876 | 0.006 | 99 | 768032 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.905 | 5.899 | 0.006 | 99 | 1384244 | 50.0 | 69.9 | |
| 38 4-Chloroaniline | 127 | 5.952 | 5.952 | 0.000 | 97 | 79383 | 50.0 | 10.0 | |
| 39 Hexachlorobutadiene | 225 | 6.035 | 6.035 | 0.000 | 94 | 139174 | 50.0 | 42.7 | |
| 40 Caprolactam | 113 | 6.323 | 6.270 | 0.053 | 88 | 120021 | 100.0 | 81.0 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.446 | 6.435 | 0.011 | 98 | 212002 | 50.0 | 40.7 | |
| 42 2-Methylnaphthalene | 142 | 6.599 | 6.593 | 0.006 | 85 | 724984 | 50.0 | 55.3 | |
| 43 1-Methylnaphthalene | 142 | 6.699 | 6.693 | 0.006 | 93 | 620806 | 50.0 | 54.7 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.764 | 6.764 | 0.000 | 94 | 137792 | 50.0 | 54.8 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.770 | 6.764 | 0.006 | 96 | 212444 | 50.0 | 44.4 | |
| 56 1-Naphthylamine | 143 | 6.788 | 6.769 | 0.019 | 46 | 440 | | NC | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.793 | 6.788 | 0.005 | 91 | 367063 | 50.0 | 42.9 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.882 | 6.876 | 0.006 | 88 | 132672 | 50.0 | 41.1 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.917 | 6.905 | 0.012 | 95 | 131157 | 50.0 | 39.2 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.964 | 6.964 | 0.000 | 98 | 524400 | 50.0 | 41.0 | |
| 51 1,1'-Biphenyl | 154 | 7.064 | 7.058 | 0.006 | 95 | 642302 | 50.0 | 45.7 | |
| 52 2-Chloronaphthalene | 162 | 7.082 | 7.082 | 0.000 | 97 | 455755 | 50.0 | 43.8 | |
| 53 Phenyl ether | 170 | 7.164 | 7.164 | 0.000 | 89 | 323609 | 50.0 | 44.9 | |
| 54 2-Nitroaniline | 65 | 7.182 | 7.182 | 0.000 | 98 | 166314 | 50.0 | 42.5 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.299 | 7.299 | 0.000 | 92 | 462311 | 50.0 | 52.9 | |
| 58 Dimethyl phthalate | 163 | 7.364 | 7.364 | 0.000 | 99 | 486852 | 50.0 | 44.7 | |
| 59 Coumarin | 146 | 7.387 | 7.388 | -0.001 | 76 | 168829 | 50.0 | 43.8 | |
| 60 2,6-Dinitrotoluene | 165 | 7.423 | 7.417 | 0.006 | 94 | 113588 | 50.0 | 45.0 | |
| 61 Acenaphthylene | 152 | 7.499 | 7.493 | 0.006 | 98 | 713343 | 50.0 | 44.4 | |
| 62 3-Nitroaniline | 138 | 7.587 | 7.587 | 0.000 | 94 | 55388 | 50.0 | 20.0 | |
| * 63 Acenaphthene-d10 | 164 | 7.640 | 7.635 | 0.005 | 93 | 358250 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.652 | 7.652 | 0.000 | 98 | 412687 | 50.0 | 48.3 | |
| 65 Acenaphthene | 154 | 7.670 | 7.670 | 0.000 | 95 | 492729 | 50.0 | 43.9 | |
| 66 2,4-Dinitrophenol | 184 | 7.687 | 7.687 | 0.000 | 62 | 71962 | 100.0 | 49.2 | |
| 67 4-Nitrophenol | 65 | 7.752 | 7.746 | 0.006 | 93 | 159841 | 100.0 | 81.4 | |
| 68 2,4-Dinitrotoluene | 165 | 7.817 | 7.817 | 0.000 | 95 | 142358 | 50.0 | 46.0 | |
| 69 Dibenzofuran | 168 | 7.840 | 7.840 | 0.000 | 96 | 685106 | 50.0 | 47.4 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.958 | 7.958 | 0.000 | 92 | 100527 | 50.0 | 39.5 | |
| 71 Diethyl phthalate | 149 | 8.058 | 8.064 | -0.006 | 98 | 483472 | 50.0 | 44.9 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.176 | 8.176 | 0.000 | 84 | 211383 | 50.0 | 42.6 | |
| 74 Fluorene | 166 | 8.182 | 8.176 | 0.006 | 95 | 586425 | 50.0 | 50.9 | |
| 57 2-Naphthylamine | 143 | 8.176 | 8.192 | -0.016 | 45 | 1141 | | NC | |
| 75 4-Nitroaniline | 138 | 8.193 | 8.193 | 0.000 | 93 | 95378 | 50.0 | 36.3 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.223 | 8.223 | 0.000 | 82 | 118236 | 100.0 | 69.2 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.287 | 8.293 | -0.006 | 68 | 336629 | 50.0 | 45.2 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.329 | 8.329 | 0.000 | 99 | 500871 | 50.0 | 46.2 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.417 | 8.417 | 0.000 | 94 | 53875 | 50.0 | 36.0 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.658 | 8.658 | 0.000 | 87 | 123311 | 50.0 | 46.4 | |
| 81 Hexachlorobenzene | 284 | 8.729 | 8.729 | 0.000 | 99 | 121059 | 50.0 | 44.5 | |
| 82 Atrazine | 200 | 8.817 | 8.811 | 0.006 | 89 | 224538 | 100.0 | 93.2 | |
| 83 Pentachlorophenol | 266 | 8.917 | 8.917 | 0.000 | 92 | 129331 | 100.0 | 78.3 | |
| 84 Pentachloronitrobenzene | 237 | 8.934 | 8.934 | 0.000 | 85 | 55065 | 50.0 | 50.2 | |
| 72 n-Octadecane | 57 | 8.987 | 8.987 | 0.000 | 93 | 433053 | 50.0 | 44.7 | |
| * 85 Phenanthrene-d10 | 188 | 9.105 | 9.099 | 0.006 | 99 | 489647 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.129 | 9.129 | 0.000 | 98 | 903964 | 50.0 | 63.8 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 87 Anthracene | 178 | 9.181 | 9.176 | 0.005 | 98 | 656346 | 50.0 | 46.3 | |
| 88 Carbazole | 167 | 9.329 | 9.329 | 0.000 | 96 | 550649 | 50.0 | 44.5 | |
| 89 Di-n-butyl phthalate | 149 | 9.664 | 9.664 | 0.000 | 100 | 726752 | 50.0 | 46.7 | |
| 90 Fluoranthene | 202 | 10.305 | 10.299 | 0.006 | 97 | 636180 | 50.0 | 49.2 | |
| 91 Benzidine | 184 | 10.428 | 10.428 | 0.000 | 98 | 11146 | 50.0 | 2.09 | |
| 92 Pyrene | 202 | 10.540 | 10.534 | 0.006 | 97 | 625587 | 50.0 | 50.5 | |
| 93 Bisphenol-A | 213 | 10.570 | 10.570 | 0.000 | 99 | 116269 | 25.0 | 23.4 | |
| \$ 94 Terphenyl-d14 | 244 | 10.693 | 10.693 | 0.000 | 99 | 373166 | 50.0 | 44.2 | |
| 95 Butyl benzyl phthalate | 149 | 11.234 | 11.234 | 0.000 | 98 | 266505 | 50.0 | 47.9 | |
| 97 Carbamazepine | 193 | 11.370 | 11.370 | 0.000 | 93 | 135226 | 50.0 | 32.9 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.887 | 11.887 | 0.000 | 99 | 72858 | 50.0 | 21.5 | |
| 99 Benzo[a]anthracene | 228 | 11.928 | 11.923 | 0.006 | 99 | 460093 | 50.0 | 44.8 | |
| * 100 Chrysene-d12 | 240 | 11.940 | 11.934 | 0.006 | 98 | 337634 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.952 | 11.952 | 0.000 | 89 | 364605 | 50.0 | 46.9 | |
| 101 Chrysene | 228 | 11.975 | 11.975 | 0.000 | 99 | 439362 | 50.0 | 47.4 | |
| 103 Di-n-octyl phthalate | 149 | 12.840 | 12.840 | 0.000 | 97 | 552998 | 50.0 | 51.3 | |
| 104 Benzo[b]fluoranthene | 252 | 13.381 | 13.381 | 0.000 | 98 | 349864 | 50.0 | 47.2 | |
| 105 Benzo[k]fluoranthene | 252 | 13.422 | 13.422 | 0.000 | 99 | 372452 | 50.0 | 48.0 | |
| 106 Benzo[a]pyrene | 252 | 13.840 | 13.840 | 0.000 | 96 | 326992 | 50.0 | 46.8 | |
| * 107 Perylene-d12 | 264 | 13.922 | 13.916 | 0.006 | 96 | 255242 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.411 | 15.411 | -0.001 | 98 | 328657 | 50.0 | 52.3 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.440 | 15.440 | 0.000 | 94 | 270559 | 50.0 | 44.9 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.793 | 15.799 | -0.006 | 94 | 274056 | 50.0 | 40.9 | |
| S 117 Total Cresols | 1 | | | | 0 | | | 77.7 | |
| 123 4,4'-DDD | 235 | 7.958 | 7.916 | 0.042 | 54 | 3391 | | NR | 7 |

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00106

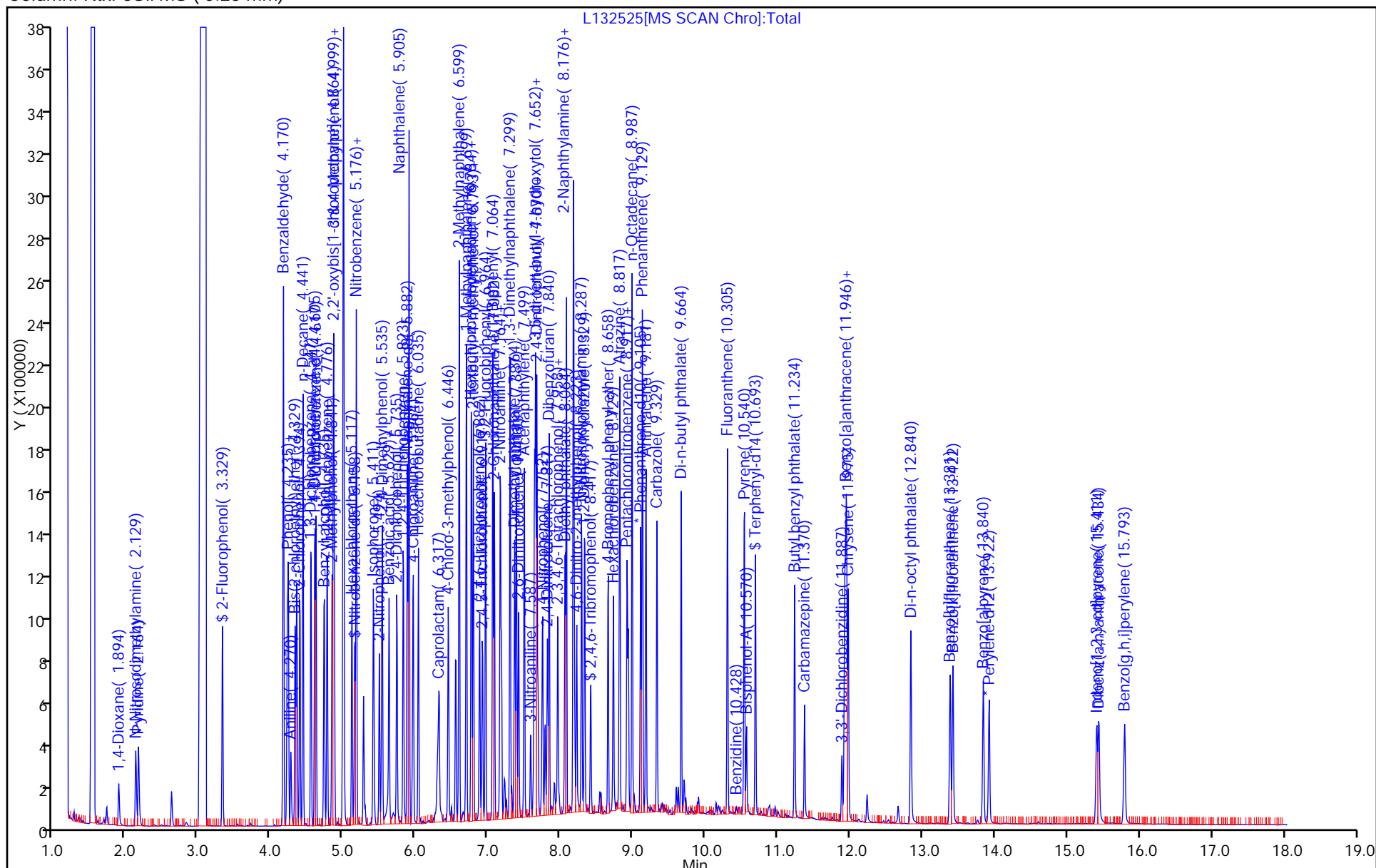
Amount Added: 20.00

Units: uL

Run Reagent

| | | | |
|-----------------|---|----------------|---------------|
| Data File: | \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39729.b\\L132525.D | | |
| Injection Date: | 12-Apr-2016 02:37:30 | Instrument ID: | CBNAMS12 |
| Lims ID: | 460-111767-D-4-B MS | | |
| Client ID: | | | |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 |
| Method: | 8270_12R_9 | Limit Group: | SV 8270D ICAL |
| Column: | Rtxi-5Sil MS (0.25 mm) | | |

Operator ID:
Worklist Smp#: 17
ALS Bottle#: 17



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>B4 MSD</u> | Lab Sample ID: <u>460-111850-3 MSD</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132582.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 13:25</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0255(g)</u> | Date Analyzed: <u>04/13/2016 11:18</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>6.2</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 2650 | | 350 | 30 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2740 | | 350 | 26 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 2280 | | 350 | 14 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1480 | | 350 | 33 |
| 95-95-4 | 2,4,5-Trichlorophenol | 1900 | | 350 | 35 |
| 88-06-2 | 2,4,6-Trichlorophenol | 2070 | | 140 | 10 |
| 120-83-2 | 2,4-Dichlorophenol | 2070 | | 140 | 8.3 |
| 105-67-9 | 2,4-Dimethylphenol | 2200 | | 350 | 77 |
| 51-28-5 | 2,4-Dinitrophenol | 406 | | 280 | 270 |
| 121-14-2 | 2,4-Dinitrotoluene | 2560 | | 71 | 14 |
| 606-20-2 | 2,6-Dinitrotoluene | 2550 | | 71 | 19 |
| 91-58-7 | 2-Chloronaphthalene | 2660 | | 350 | 8.0 |
| 95-57-8 | 2-Chlorophenol | 2190 | | 350 | 8.9 |
| 91-57-6 | 2-Methylnaphthalene | 2290 | | 350 | 7.8 |
| 95-48-7 | 2-Methylphenol | 2160 | | 350 | 15 |
| 88-74-4 | 2-Nitroaniline | 2540 | | 350 | 12 |
| 88-75-5 | 2-Nitrophenol | 1870 | | 350 | 12 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2080 | | 140 | 39 |
| 99-09-2 | 3-Nitroaniline | 2030 | | 350 | 10 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1450 | | 280 | 94 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 2810 | | 350 | 11 |
| 59-50-7 | 4-Chloro-3-methylphenol | 2120 | | 350 | 15 |
| 106-47-8 | 4-Chloroaniline | 1200 | | 350 | 9.0 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 2450 | | 350 | 11 |
| 106-44-5 | 4-Methylphenol | 2150 | | 350 | 9.6 |
| 100-01-6 | 4-Nitroaniline | 2200 | | 350 | 13 |
| 100-02-7 | 4-Nitrophenol | 3580 | | 710 | 170 |
| 83-32-9 | Acenaphthene | 2240 | | 350 | 8.5 |
| 208-96-8 | Acenaphthylene | 2640 | | 350 | 9.0 |
| 98-86-2 | Acetophenone | 2200 | | 350 | 7.7 |
| 120-12-7 | Anthracene | 2720 | | 350 | 33 |
| 1912-24-9 | Atrazine | 5490 | | 140 | 16 |
| 100-52-7 | Benzaldehyde | 4300 | | 350 | 27 |
| 56-55-3 | Benzo[a]anthracene | 2660 | | 35 | 29 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|---|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: <u>B4 MSD</u> | Lab Sample ID: <u>460-111850-3 MSD</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132582.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/08/2016 13:25</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/11/2016 13:02</u> |
| Sample wt/vol: <u>15.0255(g)</u> | Date Analyzed: <u>04/13/2016 11:18</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>6.2</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>362222</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|---|-----|-----|
| 50-32-8 | Benzo[a]pyrene | 2850 | | 35 | 11 |
| 205-99-2 | Benzo[b]fluoranthene | 2790 | | 35 | 14 |
| 191-24-2 | Benzo[g,h,i]perylene | 2780 | | 350 | 20 |
| 207-08-9 | Benzo[k]fluoranthene | 2840 | | 35 | 15 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 2410 | | 350 | 11 |
| 111-44-4 | Bis(2-chloroethyl)ether | 2330 | | 35 | 8.3 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 2690 | | 350 | 14 |
| 85-68-7 | Butyl benzyl phthalate | 2740 | | 350 | 11 |
| 105-60-2 | Caprolactam | 3250 | | 350 | 25 |
| 86-74-8 | Carbazole | 2590 | | 350 | 8.7 |
| 218-01-9 | Chrysene | 2810 | | 350 | 9.6 |
| 53-70-3 | Dibenz(a,h)anthracene | 2970 | | 35 | 18 |
| 132-64-9 | Dibenzofuran | 2500 | | 350 | 11 |
| 84-66-2 | Diethyl phthalate | 2460 | | 350 | 10 |
| 131-11-3 | Dimethyl phthalate | 2530 | | 350 | 10 |
| 84-74-2 | Di-n-butyl phthalate | 2590 | | 350 | 11 |
| 117-84-0 | Di-n-octyl phthalate | 2750 | | 350 | 18 |
| 206-44-0 | Fluoranthene | 2610 | | 350 | 10 |
| 86-73-7 | Fluorene | 2440 | | 350 | 7.7 |
| 118-74-1 | Hexachlorobenzene | 2720 | | 35 | 14 |
| 87-68-3 | Hexachlorobutadiene | 2490 | | 71 | 9.9 |
| 77-47-4 | Hexachlorocyclopentadiene | 3130 | | 350 | 22 |
| 67-72-1 | Hexachloroethane | 2350 | | 35 | 13 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 3490 | | 35 | 23 |
| 78-59-1 | Isophorone | 2500 | | 140 | 7.6 |
| 91-20-3 | Naphthalene | 2450 | | 350 | 8.9 |
| 98-95-3 | Nitrobenzene | 2480 | | 35 | 11 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 2350 | | 35 | 12 |
| 86-30-6 | N-Nitrosodiphenylamine | 2740 | | 350 | 32 |
| 87-86-5 | Pentachlorophenol | 1510 | | 280 | 43 |
| 85-01-8 | Phenanthrene | 2660 | | 350 | 9.4 |
| 108-95-2 | Phenol | 2190 | | 350 | 11 |
| 129-00-0 | Pyrene | 2850 | | 350 | 16 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1
SDG No.: _____
Client Sample ID: B4 MSD Lab Sample ID: 460-111850-3 MSD
Matrix: Solid Lab File ID: L132582.D
Analysis Method: 8270D Date Collected: 04/08/2016 13:25
Extract. Method: 3546 Date Extracted: 04/11/2016 13:02
Sample wt/vol: 15.0255(g) Date Analyzed: 04/13/2016 11:18
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 6.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 362222 Units: ug/Kg

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 51 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 73 | | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 60 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 68 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 62 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 76 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132582.D
 Lims ID: 460-111850-A-3-E MSD
 Client ID: B4
 Sample Type: MSD
 Inject. Date: 13-Apr-2016 11:18:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-014
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:49:53

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.800 | 1.741 | 0.059 | 96 | 70545 | 50.0 | 20.7 | |
| 2 N-Nitrosodimethylamine | 74 | 2.029 | 1.982 | 0.047 | 77 | 168194 | 50.0 | 34.2 | |
| 3 Pyridine | 79 | 2.064 | 2.017 | 0.047 | 78 | 132983 | 50.0 | 15.2 | |
| \$ 4 2-Fluorophenol | 112 | 3.199 | 3.182 | 0.017 | 93 | 267416 | 50.0 | 30.2 | |
| 5 Benzaldehyde | 77 | 4.041 | 4.035 | 0.006 | 94 | 443041 | 100.0 | 60.6 | |
| \$ 6 Phenol-d5 | 99 | 4.105 | 4.105 | 0.000 | 88 | 330522 | 50.0 | 30.8 | |
| 7 Phenol | 94 | 4.117 | 4.123 | -0.006 | 98 | 329811 | 50.0 | 30.8 | |
| 8 Aniline | 93 | 4.146 | 4.146 | 0.000 | 99 | 221394 | 50.0 | 17.0 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.205 | 4.211 | -0.006 | 93 | 280774 | 50.0 | 32.9 | |
| 10 2-Chlorophenol | 128 | 4.270 | 4.270 | 0.000 | 95 | 278380 | 50.0 | 30.8 | |
| 11 n-Decane | 43 | 4.317 | 4.317 | 0.000 | 95 | 422405 | 50.0 | 30.4 | |
| 12 1,3-Dichlorobenzene | 146 | 4.423 | 4.423 | 0.000 | 95 | 329226 | 50.0 | 32.9 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.476 | 4.476 | 0.000 | 97 | 260228 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.493 | 4.493 | 0.000 | 94 | 337697 | 50.0 | 33.2 | |
| 15 Benzyl alcohol | 108 | 4.611 | 4.611 | 0.000 | 92 | 180383 | 50.0 | 32.4 | |
| 16 1,2-Dichlorobenzene | 146 | 4.646 | 4.652 | -0.006 | 95 | 317582 | 50.0 | 33.0 | |
| 17 2-Methylphenol | 108 | 4.723 | 4.729 | -0.006 | 89 | 236758 | 50.0 | 30.4 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.752 | 4.752 | 0.000 | 92 | 558540 | 50.0 | 32.1 | |
| 19 4-Methylphenol | 108 | 4.882 | 4.887 | -0.005 | 72 | 258943 | 50.0 | 30.3 | |
| 20 3 & 4 Methylphenol | 108 | 4.882 | 4.887 | -0.005 | 75 | 258943 | 50.0 | 30.3 | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.882 | 4.887 | -0.005 | 84 | 197721 | 50.0 | 33.1 | |
| 22 Acetophenone | 105 | 4.882 | 4.887 | -0.005 | 86 | 341919 | 50.0 | 31.1 | |
| 25 Hexachloroethane | 117 | 4.988 | 4.993 | -0.005 | 93 | 131707 | 50.0 | 33.2 | |
| 24 2-Toluidine | 107 | 5.052 | 4.998 | 0.054 | 34 | 4174 | | NC | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.029 | 5.035 | -0.006 | 92 | 296381 | 50.0 | 34.0 | |
| 27 Nitrobenzene | 77 | 5.052 | 5.058 | -0.006 | 89 | 390341 | 50.0 | 34.9 | |
| 28 n,n'-Dimethylaniline | 120 | 5.052 | 5.058 | -0.006 | 92 | 411441 | 50.0 | 32.6 | |
| 29 Isophorone | 82 | 5.288 | 5.299 | -0.011 | 98 | 487311 | 50.0 | 35.3 | |
| 30 2-Nitrophenol | 139 | 5.370 | 5.376 | -0.006 | 88 | 111629 | 50.0 | 26.3 | |
| 31 2,4-Dimethylphenol | 122 | 5.417 | 5.423 | -0.006 | 91 | 218756 | 50.0 | 31.0 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.511 | 5.517 | -0.006 | 96 | 304182 | 50.0 | 33.9 | |
| 34 2,4-Dichlorophenol | 162 | 5.617 | 5.623 | -0.006 | 96 | 183583 | 50.0 | 29.1 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 35 1,2,4-Trichlorobenzene | 180 | 5.705 | 5.705 | 0.000 | 95 | 243145 | 50.0 | 35.4 | |
| * 36 Naphthalene-d8 | 136 | 5.758 | 5.758 | 0.000 | 99 | 909827 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.782 | 5.787 | -0.005 | 99 | 810118 | 50.0 | 34.5 | |
| 38 4-Chloroaniline | 127 | 5.835 | 5.840 | -0.005 | 97 | 158677 | 50.0 | 16.9 | |
| 39 Hexachlorobutadiene | 225 | 5.911 | 5.917 | -0.006 | 94 | 135493 | 50.0 | 35.1 | |
| 40 Caprolactam | 113 | 6.176 | 6.164 | 0.012 | 88 | 80299 | 100.0 | 45.8 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.329 | 6.323 | 0.006 | 97 | 184965 | 50.0 | 29.9 | |
| 42 2-Methylnaphthalene | 142 | 6.476 | 6.482 | -0.006 | 85 | 500568 | 50.0 | 32.2 | |
| 43 1-Methylnaphthalene | 142 | 6.576 | 6.576 | 0.000 | 95 | 463756 | 50.0 | 34.5 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.640 | 6.646 | -0.006 | 96 | 121695 | 50.0 | 44.1 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.646 | 6.652 | -0.006 | 96 | 202601 | 50.0 | 38.6 | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.676 | 6.681 | -0.005 | 91 | 324276 | 50.0 | 32.0 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.758 | 6.764 | -0.006 | 87 | 102845 | 50.0 | 29.2 | |
| 56 1-Naphthylamine | 143 | 6.840 | 6.769 | 0.071 | 43 | 979 | | NC | |
| 49 2,4,5-Trichlorophenol | 196 | 6.799 | 6.793 | 0.006 | 96 | 98121 | 50.0 | 26.7 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.840 | 6.846 | -0.006 | 98 | 511576 | 50.0 | 36.5 | |
| 51 1,1'-Biphenyl | 154 | 6.940 | 6.946 | -0.006 | 95 | 575257 | 50.0 | 37.3 | |
| 52 2-Chloronaphthalene | 162 | 6.958 | 6.964 | -0.006 | 98 | 427653 | 50.0 | 37.5 | |
| 53 Phenyl ether | 170 | 7.046 | 7.046 | 0.000 | 89 | 300997 | 50.0 | 38.1 | |
| 54 2-Nitroaniline | 65 | 7.058 | 7.064 | -0.006 | 98 | 153872 | 50.0 | 35.8 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.176 | 7.181 | -0.005 | 91 | 374448 | 50.0 | 39.1 | |
| 58 Dimethyl phthalate | 163 | 7.246 | 7.246 | 0.000 | 99 | 425922 | 50.0 | 35.7 | |
| 59 Coumarin | 146 | 7.264 | 7.270 | -0.006 | 79 | 146059 | 50.0 | 32.0 | |
| 60 2,6-Dinitrotoluene | 165 | 7.299 | 7.305 | -0.006 | 94 | 99636 | 50.0 | 36.0 | |
| 61 Acenaphthylene | 152 | 7.376 | 7.376 | 0.000 | 97 | 657011 | 50.0 | 37.3 | |
| 62 3-Nitroaniline | 138 | 7.464 | 7.470 | -0.006 | 93 | 86834 | 50.0 | 28.6 | |
| * 63 Acenaphthene-d10 | 164 | 7.517 | 7.511 | 0.006 | 93 | 392983 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.534 | 7.534 | 0.000 | 98 | 304948 | 50.0 | 32.5 | |
| 65 Acenaphthene | 154 | 7.546 | 7.552 | -0.006 | 95 | 388436 | 50.0 | 31.6 | |
| 66 2,4-Dinitrophenol | 184 | 7.570 | 7.570 | 0.000 | 78 | 3483 | 100.0 | 5.72 | |
| 67 4-Nitrophenol | 65 | 7.634 | 7.640 | -0.006 | 92 | 108732 | 100.0 | 50.5 | |
| 68 2,4-Dinitrotoluene | 165 | 7.699 | 7.705 | -0.006 | 96 | 122384 | 50.0 | 36.1 | |
| 69 Dibenzofuran | 168 | 7.717 | 7.723 | -0.006 | 96 | 558388 | 50.0 | 35.2 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.840 | 7.840 | 0.000 | 95 | 58124 | 50.0 | 20.8 | |
| 71 Diethyl phthalate | 149 | 7.940 | 7.946 | -0.006 | 98 | 410586 | 50.0 | 34.7 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.052 | 8.058 | -0.006 | 83 | 188207 | 50.0 | 34.6 | |
| 74 Fluorene | 166 | 8.052 | 8.058 | -0.006 | 96 | 434119 | 50.0 | 34.3 | |
| 75 4-Nitroaniline | 138 | 8.070 | 8.076 | -0.006 | 92 | 89207 | 50.0 | 31.0 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.099 | 8.105 | -0.006 | 82 | 33374 | 100.0 | 20.5 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.170 | 8.176 | -0.006 | 67 | 293347 | 50.0 | 38.7 | |
| 57 2-Naphthylamine | 143 | 8.287 | 8.192 | 0.095 | 59 | 17211 | | NC | |
| 78 1,2-Diphenylhydrazine | 77 | 8.205 | 8.217 | -0.012 | 99 | 446854 | 50.0 | 40.4 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.293 | 8.299 | -0.006 | 94 | 41585 | 50.0 | 25.5 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.534 | 8.540 | -0.006 | 86 | 107133 | 50.0 | 39.6 | |
| 81 Hexachlorobenzene | 284 | 8.605 | 8.611 | -0.006 | 99 | 106313 | 50.0 | 38.4 | |
| 82 Atrazine | 200 | 8.693 | 8.693 | 0.000 | 88 | 189933 | 100.0 | 77.4 | |
| 83 Pentachlorophenol | 266 | 8.793 | 8.799 | -0.006 | 92 | 35723 | 100.0 | 21.2 | |
| 84 Pentachloronitrobenzene | 237 | 8.811 | 8.817 | -0.006 | 86 | 43191 | 50.0 | 38.6 | |
| 72 n-Octadecane | 57 | 8.870 | 8.875 | -0.005 | 93 | 367372 | 50.0 | 37.2 | |
| * 85 Phenanthrene-d10 | 188 | 8.976 | 8.982 | -0.006 | 99 | 498758 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 8.999 | 9.005 | -0.006 | 98 | 541100 | 50.0 | 37.5 | |
| 87 Anthracene | 178 | 9.052 | 9.058 | -0.006 | 98 | 554677 | 50.0 | 38.4 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 88 Carbazole | 167 | 9.205 | 9.211 | -0.006 | 96 | 459308 | 50.0 | 36.4 | |
| 89 Di-n-butyl phthalate | 149 | 9.546 | 9.552 | -0.006 | 100 | 579098 | 50.0 | 36.5 | |
| 90 Fluoranthene | 202 | 10.170 | 10.175 | -0.005 | 97 | 484712 | 50.0 | 36.8 | |
| 91 Benzidine | 184 | 10.299 | 10.305 | -0.006 | 99 | 17899 | 50.0 | 3.27 | |
| 92 Pyrene | 202 | 10.399 | 10.405 | -0.006 | 97 | 483135 | 50.0 | 40.2 | |
| 93 Bisphenol-A | 213 | 10.440 | 10.446 | -0.006 | 99 | 58993 | 25.0 | 12.2 | |
| \$ 94 Terphenyl-d14 | 244 | 10.558 | 10.564 | -0.006 | 99 | 312546 | 50.0 | 38.1 | |
| 95 Butyl benzyl phthalate | 149 | 11.093 | 11.099 | -0.006 | 97 | 208603 | 50.0 | 38.6 | |
| 97 Carbamazepine | 193 | 11.222 | 11.234 | -0.012 | 93 | 95979 | 50.0 | 24.0 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.734 | 11.740 | -0.006 | 99 | 96440 | 50.0 | 29.3 | |
| 99 Benzo[a]anthracene | 228 | 11.769 | 11.775 | -0.006 | 99 | 374106 | 50.0 | 37.5 | |
| * 100 Chrysene-d12 | 240 | 11.781 | 11.781 | 0.000 | 99 | 328024 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.805 | 11.811 | -0.006 | 89 | 286576 | 50.0 | 37.9 | |
| 101 Chrysene | 228 | 11.817 | 11.822 | -0.005 | 98 | 355799 | 50.0 | 39.5 | |
| 103 Di-n-octyl phthalate | 149 | 12.675 | 12.687 | -0.012 | 97 | 451724 | 50.0 | 38.7 | |
| 104 Benzo[b]fluoranthene | 252 | 13.205 | 13.216 | -0.011 | 98 | 315917 | 50.0 | 39.3 | |
| 105 Benzo[k]fluoranthene | 252 | 13.246 | 13.252 | -0.006 | 99 | 335779 | 50.0 | 40.0 | |
| 106 Benzo[a]pyrene | 252 | 13.658 | 13.669 | -0.011 | 96 | 304110 | 50.0 | 40.2 | |
| * 107 Perylene-d12 | 264 | 13.740 | 13.740 | 0.000 | 96 | 276353 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.205 | 15.222 | -0.017 | 98 | 334754 | 50.0 | 49.2 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.234 | 15.252 | -0.018 | 94 | 272530 | 50.0 | 41.8 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.581 | 15.593 | -0.012 | 94 | 284436 | 50.0 | 39.2 | |
| S 117 Total Cresols | 1 | | | | 0 | | | 60.6 | |
| 123 4,4'-DDD | 235 | 7.840 | 7.775 | 0.065 | 54 | 2106 | | NR | 7 |

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

Operator ID:

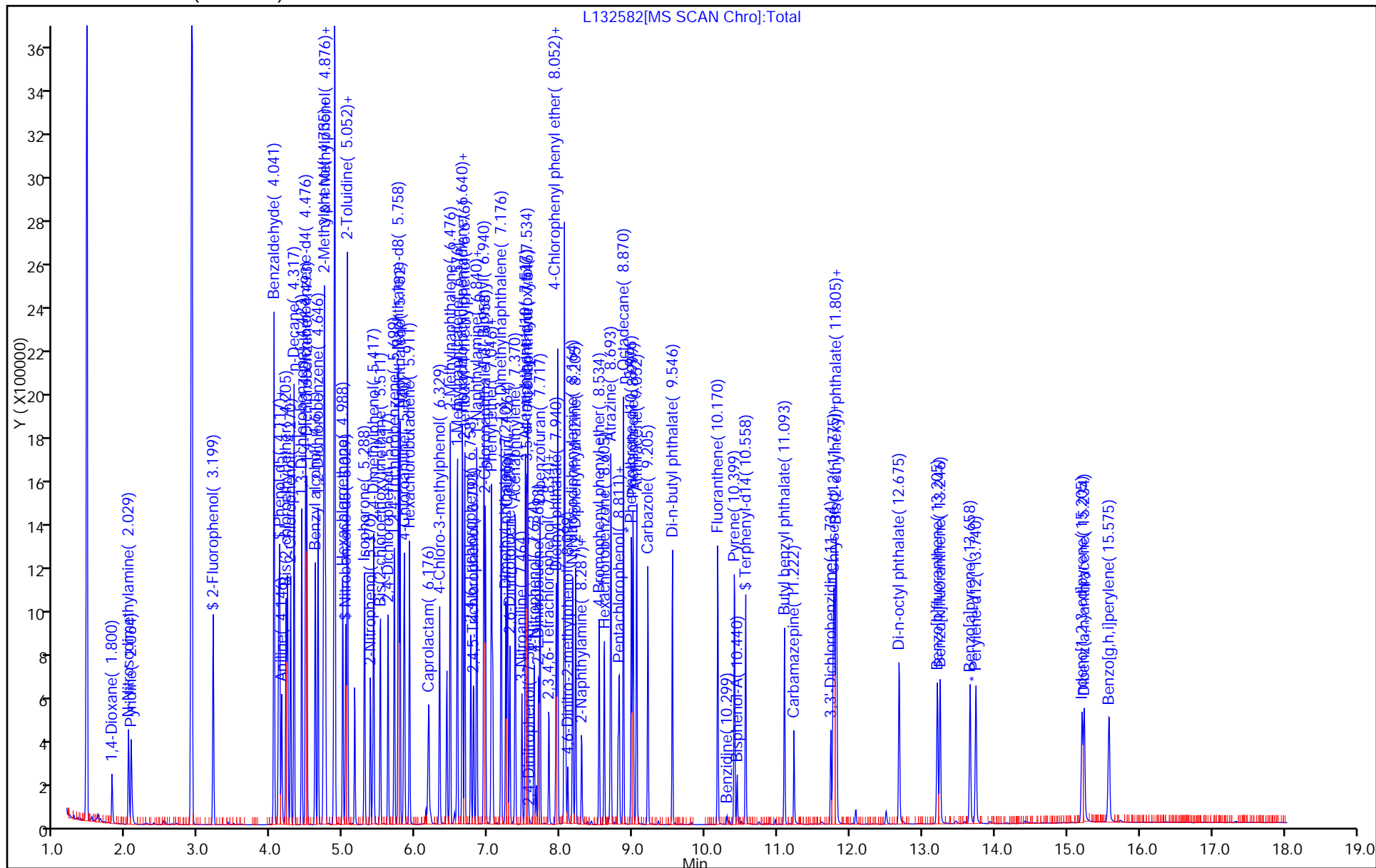
Worklist Smp#: 14

Client ID: B4

ALS Bottle#: 14

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|--|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>460-111767-D-4-C MSD</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132526.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/05/2016 10:50</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0958(g)</u> | Date Analyzed: <u>04/12/2016 03:03</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>13.8</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|------------------------------|--------|---|-----|-----|
| 92-52-4 | 1,1'-Biphenyl | 3360 | | 380 | 32 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 3280 | | 380 | 28 |
| 108-60-1 | 2,2'-oxybis[1-chloropropane] | 2910 | | 380 | 16 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 3010 | | 380 | 36 |
| 95-95-4 | 2,4,5-Trichlorophenol | 2930 | | 380 | 38 |
| 88-06-2 | 2,4,6-Trichlorophenol | 3060 | | 150 | 11 |
| 120-83-2 | 2,4-Dichlorophenol | 2950 | | 150 | 9.0 |
| 105-67-9 | 2,4-Dimethylphenol | 3010 | | 380 | 84 |
| 51-28-5 | 2,4-Dinitrophenol | 3870 | | 310 | 290 |
| 121-14-2 | 2,4-Dinitrotoluene | 3530 | | 77 | 15 |
| 606-20-2 | 2,6-Dinitrotoluene | 3410 | | 77 | 20 |
| 91-58-7 | 2-Chloronaphthalene | 3250 | | 380 | 8.6 |
| 95-57-8 | 2-Chlorophenol | 2900 | | 380 | 9.7 |
| 91-57-6 | 2-Methylnaphthalene | 4060 | | 380 | 8.4 |
| 95-48-7 | 2-Methylphenol | 2910 | | 380 | 17 |
| 88-74-4 | 2-Nitroaniline | 3250 | | 380 | 13 |
| 88-75-5 | 2-Nitrophenol | 2930 | | 380 | 13 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1790 | | 150 | 43 |
| 99-09-2 | 3-Nitroaniline | 1720 | | 380 | 11 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 5230 | | 310 | 100 |
| 101-55-3 | 4-Bromophenyl phenyl ether | 3350 | | 380 | 12 |
| 59-50-7 | 4-Chloro-3-methylphenol | 3070 | | 380 | 16 |
| 106-47-8 | 4-Chloroaniline | 876 | | 380 | 9.8 |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | 3200 | | 380 | 11 |
| 106-44-5 | 4-Methylphenol | 2870 | | 380 | 10 |
| 100-01-6 | 4-Nitroaniline | 2830 | | 380 | 14 |
| 100-02-7 | 4-Nitrophenol | 6160 | | 770 | 180 |
| 83-32-9 | Acenaphthene | 3470 | | 380 | 9.2 |
| 208-96-8 | Acenaphthylene | 3330 | | 380 | 9.8 |
| 98-86-2 | Acetophenone | 2900 | | 380 | 8.3 |
| 120-12-7 | Anthracene | 3410 | | 380 | 36 |
| 1912-24-9 | Atrazine | 7070 | | 150 | 17 |
| 100-52-7 | Benzaldehyde | 6110 | | 380 | 29 |
| 56-55-3 | Benzo[a]anthracene | 3340 | | 38 | 32 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|--|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>460-111767-D-4-C MSD</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132526.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/05/2016 10:50</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0958(g)</u> | Date Analyzed: <u>04/12/2016 03:03</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>13.8</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|-----------------------------|--------|---|-----|-----|
| 50-32-8 | Benzo[a]pyrene | 3420 | | 38 | 12 |
| 205-99-2 | Benzo[b]fluoranthene | 3630 | | 38 | 15 |
| 191-24-2 | Benzo[g,h,i]perylene | 3040 | | 380 | 22 |
| 207-08-9 | Benzo[k]fluoranthene | 3400 | | 38 | 17 |
| 111-91-1 | Bis(2-chloroethoxy)methane | 3170 | | 380 | 12 |
| 111-44-4 | Bis(2-chloroethyl)ether | 3000 | | 38 | 9.0 |
| 117-81-7 | Bis(2-ethylhexyl) phthalate | 3520 | | 380 | 15 |
| 85-68-7 | Butyl benzyl phthalate | 3590 | | 380 | 12 |
| 105-60-2 | Caprolactam | 6640 | | 380 | 27 |
| 86-74-8 | Carbazole | 3270 | | 380 | 9.4 |
| 218-01-9 | Chrysene | 3510 | | 380 | 10 |
| 53-70-3 | Dibenz(a,h)anthracene | 3310 | | 38 | 20 |
| 132-64-9 | Dibenzofuran | 3530 | | 380 | 12 |
| 84-66-2 | Diethyl phthalate | 3390 | | 380 | 11 |
| 131-11-3 | Dimethyl phthalate | 3370 | | 380 | 11 |
| 84-74-2 | Di-n-butyl phthalate | 3480 | | 380 | 11 |
| 117-84-0 | Di-n-octyl phthalate | 3770 | | 380 | 19 |
| 206-44-0 | Fluoranthene | 3610 | | 380 | 11 |
| 86-73-7 | Fluorene | 3760 | | 380 | 8.3 |
| 118-74-1 | Hexachlorobenzene | 3290 | | 38 | 15 |
| 87-68-3 | Hexachlorobutadiene | 3180 | | 77 | 11 |
| 77-47-4 | Hexachlorocyclopentadiene | 3950 | | 380 | 24 |
| 67-72-1 | Hexachloroethane | 3050 | | 38 | 14 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 3890 | | 38 | 25 |
| 78-59-1 | Isophorone | 3310 | | 150 | 8.2 |
| 91-20-3 | Naphthalene | 5050 | | 380 | 9.7 |
| 98-95-3 | Nitrobenzene | 3030 | | 38 | 12 |
| 621-64-7 | N-Nitrosodi-n-propylamine | 3090 | | 38 | 13 |
| 86-30-6 | N-Nitrosodiphenylamine | 3300 | | 380 | 35 |
| 87-86-5 | Pentachlorophenol | 5860 | | 310 | 46 |
| 85-01-8 | Phenanthrene | 4540 | | 380 | 10 |
| 108-95-2 | Phenol | 2850 | | 380 | 12 |
| 129-00-0 | Pyrene | 3780 | | 380 | 17 |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

| | |
|-------------------------------------|--|
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG No.: _____ | |
| Client Sample ID: _____ | Lab Sample ID: <u>460-111767-D-4-C MSD</u> |
| Matrix: <u>Solid</u> | Lab File ID: <u>L132526.D</u> |
| Analysis Method: <u>8270D</u> | Date Collected: <u>04/05/2016 10:50</u> |
| Extract. Method: <u>3546</u> | Date Extracted: <u>04/10/2016 09:03</u> |
| Sample wt/vol: <u>15.0958(g)</u> | Date Analyzed: <u>04/12/2016 03:03</u> |
| Con. Extract Vol.: <u>1(mL)</u> | Dilution Factor: <u>1</u> |
| Injection Volume: <u>1(uL)</u> | Level: (low/med) <u>Low</u> |
| % Moisture: <u>13.8</u> | GPC Cleanup: (Y/N) <u>N</u> |
| Analysis Batch No.: <u>361964</u> | Units: <u>ug/Kg</u> |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|-----------|-----------------------------|------|---|--------|
| 118-79-6 | 2,4,6-Tribromophenol (Surr) | 76 | | 10-95 |
| 321-60-8 | 2-Fluorobiphenyl | 83 | | 27-84 |
| 367-12-4 | 2-Fluorophenol (Surr) | 72 | | 21-84 |
| 4165-60-0 | Nitrobenzene-d5 (Surr) | 79 | | 28-92 |
| 4165-62-2 | Phenol-d5 (Surr) | 74 | | 22-88 |
| 1718-51-0 | Terphenyl-d14 (Surr) | 90 | | 16-114 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\L132526.D
 Lims ID: 460-111767-D-4-C MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 12-Apr-2016 03:03:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039729-018
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39729.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 11:44:52 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: zhaoc

Date: 12-Apr-2016 09:24:32

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 1 1,4-Dioxane | 88 | 1.894 | 1.841 | 0.053 | 98 | 72575 | 50.0 | 26.1 | |
| 2 N-Nitrosodimethylamine | 74 | 2.123 | 2.082 | 0.041 | 78 | 161321 | 50.0 | 40.2 | |
| 3 Pyridine | 79 | 2.164 | 2.123 | 0.041 | 78 | 159311 | 50.0 | 22.3 | |
| \$ 4 2-Fluorophenol | 112 | 3.323 | 3.294 | 0.029 | 93 | 260759 | 50.0 | 36.1 | |
| 5 Benzaldehyde | 77 | 4.170 | 4.158 | 0.012 | 94 | 474925 | 100.0 | 79.5 | |
| \$ 6 Phenol-d5 | 99 | 4.223 | 4.211 | 0.012 | 87 | 325363 | 50.0 | 37.1 | |
| 7 Phenol | 94 | 4.235 | 4.229 | 0.006 | 98 | 323914 | 50.0 | 37.1 | |
| 8 Aniline | 93 | 4.270 | 4.264 | 0.006 | 99 | 168173 | 50.0 | 15.8 | |
| 9 Bis(2-chloroethyl)ether | 93 | 4.329 | 4.323 | 0.006 | 94 | 272591 | 50.0 | 39.1 | |
| 10 2-Chlorophenol | 128 | 4.394 | 4.388 | 0.006 | 94 | 278409 | 50.0 | 37.8 | |
| 11 n-Decane | 43 | 4.441 | 4.435 | 0.006 | 95 | 414315 | 50.0 | 36.5 | |
| 12 1,3-Dichlorobenzene | 146 | 4.546 | 4.547 | -0.001 | 95 | 317417 | 50.0 | 38.9 | |
| * 13 1,4-Dichlorobenzene-d4 | 152 | 4.605 | 4.594 | 0.011 | 96 | 212437 | 40.0 | 40.0 | |
| 14 1,4-Dichlorobenzene | 146 | 4.617 | 4.617 | 0.000 | 94 | 320618 | 50.0 | 38.6 | |
| 15 Benzyl alcohol | 108 | 4.729 | 4.729 | 0.000 | 92 | 176712 | 50.0 | 38.9 | |
| 16 1,2-Dichlorobenzene | 146 | 4.776 | 4.770 | 0.006 | 95 | 303494 | 50.0 | 38.7 | |
| 17 2-Methylphenol | 108 | 4.841 | 4.835 | 0.006 | 90 | 240817 | 50.0 | 37.8 | |
| 18 2,2'-oxybis[1-chloropropan | 45 | 4.870 | 4.870 | 0.000 | 93 | 539025 | 50.0 | 37.9 | |
| 20 3 & 4 Methylphenol | 108 | 4.999 | 4.994 | 0.005 | 87 | 261402 | 50.0 | 37.4 | |
| 19 4-Methylphenol | 108 | 4.999 | 4.994 | 0.005 | 83 | 261402 | 50.0 | 37.4 | |
| 24 2-Toluidine | 107 | 4.994 | 4.998 | -0.004 | 88 | 529545 | | NC | |
| 21 N-Nitrosodi-n-propylamine | 70 | 4.999 | 4.999 | 0.000 | 93 | 196182 | 50.0 | 40.2 | |
| 22 Acetophenone | 105 | 4.999 | 4.999 | 0.000 | 90 | 339628 | 50.0 | 37.8 | |
| 25 Hexachloroethane | 117 | 5.117 | 5.111 | 0.006 | 95 | 128786 | 50.0 | 39.7 | |
| \$ 26 Nitrobenzene-d5 | 82 | 5.152 | 5.152 | 0.000 | 92 | 289309 | 50.0 | 39.5 | |
| 27 Nitrobenzene | 77 | 5.176 | 5.176 | 0.000 | 90 | 370430 | 50.0 | 39.5 | |
| 28 n,n'-Dimethylaniline | 120 | 5.176 | 5.176 | 0.000 | 94 | 383680 | 50.0 | 37.2 | |
| 29 Isophorone | 82 | 5.411 | 5.411 | 0.000 | 98 | 499716 | 50.0 | 43.1 | |
| 30 2-Nitrophenol | 139 | 5.493 | 5.494 | -0.001 | 89 | 135780 | 50.0 | 38.1 | |
| 31 2,4-Dimethylphenol | 122 | 5.535 | 5.529 | 0.006 | 91 | 231968 | 50.0 | 39.2 | |
| 32 Bis(2-chloroethoxy)methane | 93 | 5.629 | 5.629 | 0.000 | 96 | 310725 | 50.0 | 41.3 | |
| 33 Benzoic acid | 122 | 5.611 | 5.635 | -0.024 | 91 | 42153 | 50.0 | 15.7 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|---------------|-----------------|-------|
| 34 2,4-Dichlorophenol | 162 | 5.735 | 5.735 | 0.000 | 95 | 203405 | 50.0 | 38.4 | |
| 35 1,2,4-Trichlorobenzene | 180 | 5.823 | 5.823 | 0.000 | 95 | 237888 | 50.0 | 41.3 | |
| * 36 Naphthalene-d8 | 136 | 5.882 | 5.876 | 0.006 | 99 | 763823 | 40.0 | 40.0 | |
| 37 Naphthalene | 128 | 5.905 | 5.899 | 0.006 | 99 | 1293983 | 50.0 | 65.7 | |
| 38 4-Chloroaniline | 127 | 5.952 | 5.952 | 0.000 | 96 | 89876 | 50.0 | 11.4 | |
| 39 Hexachlorobutadiene | 225 | 6.035 | 6.035 | 0.000 | 94 | 134462 | 50.0 | 41.4 | |
| 40 Caprolactam | 113 | 6.323 | 6.270 | 0.053 | 88 | 127401 | 100.0 | 86.5 | |
| 41 4-Chloro-3-methylphenol | 107 | 6.446 | 6.435 | 0.011 | 98 | 206977 | 50.0 | 39.9 | |
| 42 2-Methylnaphthalene | 142 | 6.599 | 6.593 | 0.006 | 85 | 689387 | 50.0 | 52.9 | |
| 43 1-Methylnaphthalene | 142 | 6.699 | 6.693 | 0.006 | 94 | 607381 | 50.0 | 53.8 | |
| 44 Hexachlorocyclopentadiene | 237 | 6.764 | 6.764 | 0.000 | 94 | 130793 | 50.0 | 51.5 | |
| 45 1,2,4,5-Tetrachlorobenzene | 216 | 6.770 | 6.764 | 0.006 | 96 | 206071 | 50.0 | 42.7 | |
| 56 1-Naphthylamine | 143 | 6.764 | 6.769 | -0.005 | 56 | 47887 | | NC | |
| 46 2-tertbutyl-4-methylphenol | 149 | 6.793 | 6.788 | 0.005 | 91 | 355082 | 50.0 | 41.7 | |
| 48 2,4,6-Trichlorophenol | 196 | 6.882 | 6.876 | 0.006 | 87 | 129953 | 50.0 | 39.9 | |
| 49 2,4,5-Trichlorophenol | 196 | 6.923 | 6.905 | 0.018 | 98 | 128672 | 50.0 | 38.1 | |
| \$ 50 2-Fluorobiphenyl | 172 | 6.964 | 6.964 | 0.000 | 98 | 534163 | 50.0 | 41.4 | |
| 51 1,1'-Biphenyl | 154 | 7.064 | 7.058 | 0.006 | 96 | 619149 | 50.0 | 43.7 | |
| 52 2-Chloronaphthalene | 162 | 7.088 | 7.082 | 0.006 | 97 | 444991 | 50.0 | 42.4 | |
| 53 Phenyl ether | 170 | 7.170 | 7.164 | 0.006 | 89 | 316606 | 50.0 | 43.5 | |
| 54 2-Nitroaniline | 65 | 7.182 | 7.182 | 0.000 | 98 | 167012 | 50.0 | 42.3 | |
| 55 1,3-Dimethylnaphthalene | 156 | 7.299 | 7.299 | 0.000 | 92 | 457121 | 50.0 | 51.9 | |
| 58 Dimethyl phthalate | 163 | 7.364 | 7.364 | 0.000 | 99 | 481826 | 50.0 | 43.9 | |
| 59 Coumarin | 146 | 7.387 | 7.388 | -0.001 | 76 | 167392 | 50.0 | 43.6 | |
| 60 2,6-Dinitrotoluene | 165 | 7.423 | 7.417 | 0.006 | 94 | 113109 | 50.0 | 44.4 | |
| 61 Acenaphthylene | 152 | 7.499 | 7.493 | 0.006 | 97 | 703904 | 50.0 | 43.4 | |
| 62 3-Nitroaniline | 138 | 7.587 | 7.587 | 0.000 | 94 | 62685 | 50.0 | 22.4 | |
| * 63 Acenaphthene-d10 | 164 | 7.640 | 7.635 | 0.005 | 93 | 361630 | 40.0 | 40.0 | |
| 64 3,5-di-tert-butyl-4-hydrox | 205 | 7.652 | 7.652 | 0.000 | 98 | 408380 | 50.0 | 47.3 | |
| 65 Acenaphthene | 154 | 7.670 | 7.670 | 0.000 | 95 | 512103 | 50.0 | 45.2 | |
| 66 2,4-Dinitrophenol | 184 | 7.687 | 7.687 | 0.000 | 63 | 74417 | 100.0 | 50.3 | |
| 67 4-Nitrophenol | 65 | 7.752 | 7.746 | 0.006 | 92 | 159059 | 100.0 | 80.3 | |
| 68 2,4-Dinitrotoluene | 165 | 7.817 | 7.817 | 0.000 | 95 | 143604 | 50.0 | 46.0 | |
| 69 Dibenzofuran | 168 | 7.840 | 7.840 | 0.000 | 96 | 671825 | 50.0 | 46.0 | |
| 70 2,3,4,6-Tetrachlorophenol | 232 | 7.958 | 7.958 | 0.000 | 92 | 100733 | 50.0 | 39.2 | |
| 71 Diethyl phthalate | 149 | 8.058 | 8.064 | -0.006 | 98 | 479695 | 50.0 | 44.1 | |
| 73 4-Chlorophenyl phenyl ethe | 204 | 8.176 | 8.176 | 0.000 | 87 | 208678 | 50.0 | 41.6 | |
| 74 Fluorene | 166 | 8.182 | 8.176 | 0.006 | 95 | 570060 | 50.0 | 49.0 | |
| 57 2-Naphthylamine | 143 | 8.176 | 8.192 | -0.016 | 44 | 1333 | | NC | |
| 75 4-Nitroaniline | 138 | 8.193 | 8.193 | 0.000 | 92 | 97505 | 50.0 | 36.8 | |
| 76 4,6-Dinitro-2-methylphenol | 198 | 8.223 | 8.223 | 0.000 | 81 | 122472 | 100.0 | 68.0 | |
| 77 N-Nitrosodiphenylamine | 169 | 8.287 | 8.293 | -0.006 | 68 | 337903 | 50.0 | 43.0 | |
| 78 1,2-Diphenylhydrazine | 77 | 8.329 | 8.329 | 0.000 | 99 | 501387 | 50.0 | 43.8 | |
| \$ 79 2,4,6-Tribromophenol | 330 | 8.417 | 8.417 | 0.000 | 94 | 57586 | 50.0 | 38.1 | |
| 80 4-Bromophenyl phenyl ether | 248 | 8.658 | 8.658 | 0.000 | 87 | 122331 | 50.0 | 43.6 | |
| 81 Hexachlorobenzene | 284 | 8.729 | 8.729 | 0.000 | 99 | 122937 | 50.0 | 42.9 | |
| 82 Atrazine | 200 | 8.817 | 8.811 | 0.006 | 88 | 233915 | 100.0 | 92.0 | |
| 83 Pentachlorophenol | 266 | 8.917 | 8.917 | 0.000 | 92 | 132992 | 100.0 | 76.3 | |
| 84 Pentachloronitrobenzene | 237 | 8.934 | 8.934 | 0.000 | 86 | 55656 | 50.0 | 48.1 | |
| 72 n-Octadecane | 57 | 8.987 | 8.987 | 0.000 | 93 | 419851 | 50.0 | 41.1 | |
| * 85 Phenanthrene-d10 | 188 | 9.105 | 9.099 | 0.006 | 99 | 516339 | 40.0 | 40.0 | |
| 86 Phenanthrene | 178 | 9.129 | 9.129 | 0.000 | 98 | 883885 | 50.0 | 59.2 | |

| Compound | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/ml | OnCol Amt ug/ml | Flags |
|--------------------------------|-----|-----------|---------------|---------------|-----|----------|---------------|-----------------|-------|
| 87 Anthracene | 178 | 9.181 | 9.176 | 0.005 | 98 | 663926 | 50.0 | 44.4 | |
| 88 Carbazole | 167 | 9.329 | 9.329 | 0.000 | 96 | 555348 | 50.0 | 42.6 | |
| 89 Di-n-butyl phthalate | 149 | 9.664 | 9.664 | 0.000 | 100 | 742286 | 50.0 | 45.3 | |
| 90 Fluoranthene | 202 | 10.305 | 10.299 | 0.006 | 97 | 640407 | 50.0 | 47.0 | |
| 91 Benzidine | 184 | 10.428 | 10.428 | 0.000 | 99 | 31584 | 50.0 | 5.51 | |
| 92 Pyrene | 202 | 10.540 | 10.534 | 0.006 | 97 | 643681 | 50.0 | 49.2 | |
| 93 Bisphenol-A | 213 | 10.570 | 10.570 | 0.000 | 99 | 114197 | 25.0 | 21.8 | |
| \$ 94 Terphenyl-d14 | 244 | 10.693 | 10.693 | 0.000 | 99 | 399148 | 50.0 | 44.8 | |
| 95 Butyl benzyl phthalate | 149 | 11.234 | 11.234 | 0.000 | 97 | 274835 | 50.0 | 46.8 | |
| 97 Carbamazepine | 193 | 11.370 | 11.370 | 0.000 | 93 | 141783 | 50.0 | 32.6 | |
| 98 3,3'-Dichlorobenzidine | 252 | 11.887 | 11.887 | 0.000 | 99 | 83507 | 50.0 | 23.4 | |
| 99 Benzo[a]anthracene | 228 | 11.928 | 11.923 | 0.006 | 99 | 471425 | 50.0 | 43.5 | |
| * 100 Chrysene-d12 | 240 | 11.940 | 11.934 | 0.006 | 98 | 356656 | 40.0 | 40.0 | |
| 102 Bis(2-ethylhexyl) phthalat | 149 | 11.952 | 11.952 | 0.000 | 88 | 377050 | 50.0 | 45.9 | |
| 101 Chrysene | 228 | 11.975 | 11.975 | 0.000 | 98 | 447588 | 50.0 | 45.8 | |
| 103 Di-n-octyl phthalate | 149 | 12.840 | 12.840 | 0.000 | 97 | 576534 | 50.0 | 49.0 | |
| 104 Benzo[b]fluoranthene | 252 | 13.387 | 13.381 | 0.006 | 98 | 382359 | 50.0 | 47.3 | |
| 105 Benzo[k]fluoranthene | 252 | 13.422 | 13.422 | 0.000 | 99 | 374564 | 50.0 | 44.3 | |
| 106 Benzo[a]pyrene | 252 | 13.840 | 13.840 | 0.000 | 96 | 339812 | 50.0 | 44.6 | |
| * 107 Perylene-d12 | 264 | 13.922 | 13.916 | 0.006 | 96 | 278516 | 40.0 | 40.0 | |
| 108 Indeno[1,2,3-cd]pyrene | 276 | 15.410 | 15.411 | -0.001 | 98 | 347135 | 50.0 | 50.6 | |
| 109 Dibenz(a,h)anthracene | 278 | 15.440 | 15.440 | 0.000 | 95 | 283081 | 50.0 | 43.1 | |
| 110 Benzo[g,h,i]perylene | 276 | 15.793 | 15.799 | -0.006 | 95 | 289617 | 50.0 | 39.6 | |
| S 117 Total Cresols | 1 | | | | 0 | | | 75.3 | |
| 123 4,4'-DDD | 235 | 7.958 | 7.916 | 0.042 | 55 | 3401 | | NR | 7 |

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

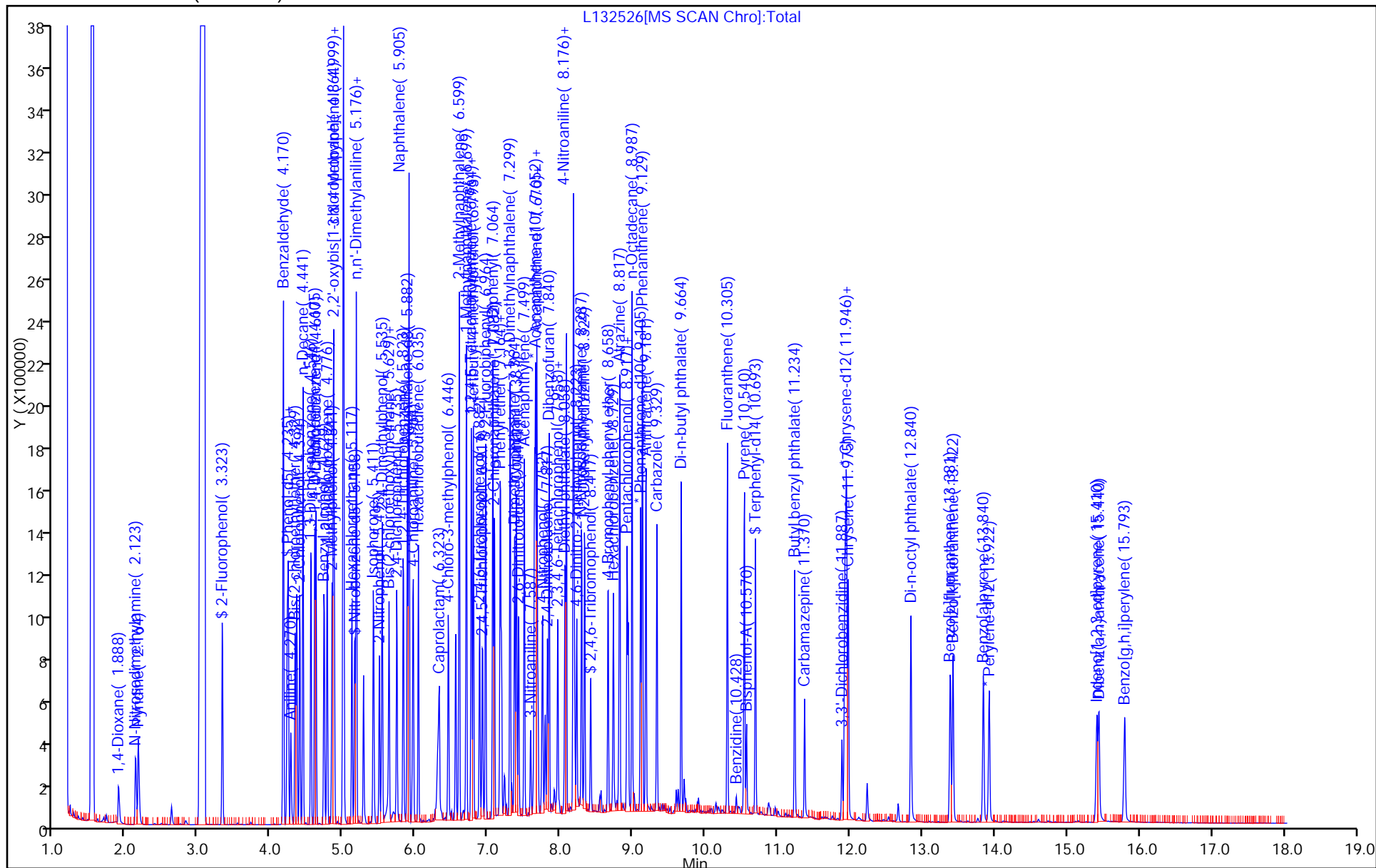
SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

Column: Rtxi-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111850-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 04/06/2016 12:25Analysis Batch Number: 361066End Date: 04/06/2016 19:42

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|----------------------------|------------------|------------------|--------------------|-------------|------------------------|
| DFTPP 460-361066/1 | | 04/06/2016 12:25 | 1 | z4178270.D | Rtxi-5Sil MS 0.25 (mm) |
| ICIS 460-361066/2 | | 04/06/2016 12:45 | 1 | z4178271.D | Rtxi-5Sil MS 0.25 (mm) |
| STD120 460-361066/3 IC | | 04/06/2016 13:16 | 1 | z4178272.D | Rtxi-5Sil MS 0.25 (mm) |
| STD80 460-361066/4 IC | | 04/06/2016 13:40 | 1 | z4178273.D | Rtxi-5Sil MS 0.25 (mm) |
| STD20 460-361066/5 IC | | 04/06/2016 14:04 | 1 | z4178274.D | Rtxi-5Sil MS 0.25 (mm) |
| STD10 460-361066/6 IC | | 04/06/2016 14:28 | 1 | z4178275.D | Rtxi-5Sil MS 0.25 (mm) |
| STD5 460-361066/7 IC | | 04/06/2016 14:52 | 1 | z4178276.D | Rtxi-5Sil MS 0.25 (mm) |
| STD2 460-361066/8 IC | | 04/06/2016 15:16 | 1 | z4178277.D | Rtxi-5Sil MS 0.25 (mm) |
| STD1 460-361066/9 IC | | 04/06/2016 15:41 | 1 | z4178278.D | Rtxi-5Sil MS 0.25 (mm) |
| STD05 460-361066/10 IC | | 04/06/2016 16:05 | 1 | z4178279.D | Rtxi-5Sil MS 0.25 (mm) |
| STD50 460-361066/11 IC | | 04/06/2016 16:29 | 1 | z4178280.D | Rtxi-5Sil MS 0.25 (mm) |
| STD120 460-361066/12 IC | | 04/06/2016 16:53 | 1 | z4178281.D | Rtxi-5Sil MS 0.25 (mm) |
| STD80 460-361066/13 IC | | 04/06/2016 17:17 | 1 | z4178282.D | Rtxi-5Sil MS 0.25 (mm) |
| STD20 460-361066/14 IC | | 04/06/2016 17:41 | 1 | z4178283.D | Rtxi-5Sil MS 0.25 (mm) |
| STD10 460-361066/15 IC | | 04/06/2016 18:05 | 1 | z4178284.D | Rtxi-5Sil MS 0.25 (mm) |
| STD5 460-361066/16 IC | | 04/06/2016 18:30 | 1 | z4178285.D | Rtxi-5Sil MS 0.25 (mm) |
| STD2 460-361066/17 IC | | 04/06/2016 18:54 | 1 | z4178286.D | Rtxi-5Sil MS 0.25 (mm) |
| ICV 460-361066/18 | | 04/06/2016 19:18 | 1 | z4178287.D | Rtxi-5Sil MS 0.25 (mm) |
| ICV 460-361066/19 | | 04/06/2016 19:42 | 1 | z4178288.D | Rtxi-5Sil MS 0.25 (mm) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111850-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 04/12/2016 06:26Analysis Batch Number: 362008End Date: 04/12/2016 18:17

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|--------------------|-------------|------------------------|
| DFTPP 460-362008/1 | | 04/12/2016 06:26 | 1 | z4178483.D | Rtxi-5Sil MS 0.25 (mm) |
| CCVIS 460-362008/2 | | 04/12/2016 06:42 | 1 | z4178484.D | Rtxi-5Sil MS 0.25 (mm) |
| CCV 460-362008/3 | | 04/12/2016 07:11 | 1 | z4178485.D | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 08:58 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 09:22 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 09:46 | 2 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 10:11 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| MB 460-361719/1-A | | 04/12/2016 10:35 | 1 | z4178493.D | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 10:59 | 10 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 11:48 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 12:12 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 12:36 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 13:01 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 13:25 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 13:50 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 14:14 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 15:02 | 10 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 15:26 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 15:50 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 16:14 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 16:39 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 17:03 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 17:29 | 2 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 17:53 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 18:17 | 1 | | Rtxi-5Sil MS 0.25 (mm) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111850-1

SDG No.: _____

Instrument ID: CBNAMS12Start Date: 04/11/2016 10:12Analysis Batch Number: 361776End Date: 04/11/2016 18:51

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|----------------------------|------------------|------------------|--------------------|-------------|------------------------|
| DFTPP 460-361776/1 | | 04/11/2016 10:12 | 1 | L132490.D | Rtxi-5Sil MS 0.25 (mm) |
| ICIS 460-361776/2 | | 04/11/2016 10:45 | 1 | L132491.D | Rtxi-5Sil MS 0.25 (mm) |
| STD120 460-361776/3 IC | | 04/11/2016 11:11 | 1 | L132492.D | Rtxi-5Sil MS 0.25 (mm) |
| STD80 460-361776/4 IC | | 04/11/2016 11:37 | 1 | L132493.D | Rtxi-5Sil MS 0.25 (mm) |
| STD20 460-361776/5 IC | | 04/11/2016 12:03 | 1 | L132494.D | Rtxi-5Sil MS 0.25 (mm) |
| STD10 460-361776/6 IC | | 04/11/2016 12:29 | 1 | L132495.D | Rtxi-5Sil MS 0.25 (mm) |
| STD5 460-361776/7 IC | | 04/11/2016 12:54 | 1 | L132496.D | Rtxi-5Sil MS 0.25 (mm) |
| STD2 460-361776/8 IC | | 04/11/2016 13:20 | 1 | L132497.D | Rtxi-5Sil MS 0.25 (mm) |
| STD1 460-361776/9 IC | | 04/11/2016 13:46 | 1 | L132498.D | Rtxi-5Sil MS 0.25 (mm) |
| STD05 460-361776/10 IC | | 04/11/2016 14:12 | 1 | L132499.D | Rtxi-5Sil MS 0.25 (mm) |
| STD50 460-361776/11 IC | | 04/11/2016 14:39 | 1 | L132500.D | Rtxi-5Sil MS 0.25 (mm) |
| STD120 460-361776/12 IC | | 04/11/2016 15:05 | 1 | L132501.D | Rtxi-5Sil MS 0.25 (mm) |
| STD080 460-361776/13 IC | | 04/11/2016 15:31 | 1 | L132502.D | Rtxi-5Sil MS 0.25 (mm) |
| STD020 460-361776/14 IC | | 04/11/2016 15:57 | 1 | L132503.D | Rtxi-5Sil MS 0.25 (mm) |
| STD010 460-361776/15 IC | | 04/11/2016 16:24 | 1 | L132504.D | Rtxi-5Sil MS 0.25 (mm) |
| STD5 460-361776/16 IC | | 04/11/2016 16:50 | 1 | L132505.D | Rtxi-5Sil MS 0.25 (mm) |
| STD2 460-361776/17 IC | | 04/11/2016 17:16 | 1 | L132506.D | Rtxi-5Sil MS 0.25 (mm) |
| ICV 460-361776/18 | | 04/11/2016 17:42 | 1 | L132507.D | Rtxi-5Sil MS 0.25 (mm) |
| ICV 460-361776/19 | | 04/11/2016 18:51 | 1 | L132508A.D | Rtxi-5Sil MS 0.25 (mm) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111850-1

SDG No.: _____

Instrument ID: CBNAMS12Start Date: 04/11/2016 19:29Analysis Batch Number: 361964End Date: 04/12/2016 07:25

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|----------------------|------------------|------------------|--------------------|-------------|------------------------|
| DFTPP 460-361964/1 | | 04/11/2016 19:29 | 1 | L132509.D | Rtxi-5Sil MS 0.25 (mm) |
| CCVIS 460-361964/2 | | 04/11/2016 19:55 | 1 | L132510.D | Rtxi-5Sil MS 0.25 (mm) |
| CCV 460-361964/3 | | 04/11/2016 20:30 | 1 | L132511.D | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/11/2016 21:24 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/11/2016 21:50 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| LCS 460-361719/2-A | | 04/11/2016 22:42 | 1 | L132516.D | Rtxi-5Sil MS 0.25 (mm) |
| LCS 460-361719/3-A | | 04/11/2016 23:09 | 1 | L132517.D | Rtxi-5Sil MS 0.25 (mm) |
| 460-111850-1 | | 04/11/2016 23:35 | 1 | L132518.D | Rtxi-5Sil MS 0.25 (mm) |
| 460-111850-2 | | 04/12/2016 00:01 | 1 | L132519.D | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 00:27 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 00:53 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 01:19 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 01:45 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 02:11 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| 460-111767-D-4-B MS | | 04/12/2016 02:37 | 1 | L132525.D | Rtxi-5Sil MS 0.25 (mm) |
| 460-111767-D-4-C MSD | | 04/12/2016 03:03 | 1 | L132526.D | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 03:30 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 03:56 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 04:22 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 04:48 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 05:40 | 5 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 06:06 | 2 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 06:32 | 2 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 06:59 | 5 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/12/2016 07:25 | 1 | | Rtxi-5Sil MS 0.25 (mm) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: CBNAMS12 Start Date: 04/13/2016 04:06Analysis Batch Number: 362222 End Date: 04/13/2016 15:56

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|--------------------|-------------|------------------------|
| DFTPP 460-362222/1 | | 04/13/2016 04:06 | 1 | L132569.D | Rtxi-5Sil MS 0.25 (mm) |
| CCVIS 460-362222/2 | | 04/13/2016 04:42 | 1 | L132570.D | Rtxi-5Sil MS 0.25 (mm) |
| CCV 460-362222/3 | | 04/13/2016 06:27 | 1 | L132571b.D | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 07:25 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 07:51 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| MB 460-361911/1-A | | 04/13/2016 08:17 | 1 | L132575.D | Rtxi-5Sil MS 0.25 (mm) |
| LCS 460-361911/2-A | | 04/13/2016 08:42 | 1 | L132576.D | Rtxi-5Sil MS 0.25 (mm) |
| LCS 460-361911/3-A | | 04/13/2016 09:08 | 1 | L132577.D | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 09:34 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 10:00 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 10:26 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| 460-111850-3 MS | | 04/13/2016 10:52 | 1 | L132581.D | Rtxi-5Sil MS 0.25 (mm) |
| 460-111850-3 MSD | | 04/13/2016 11:18 | 1 | L132582.D | Rtxi-5Sil MS 0.25 (mm) |
| 460-111850-3 | | 04/13/2016 11:44 | 1 | L132583.D | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 12:10 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 12:36 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 13:03 | 1 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 13:46 | 10 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 15:30 | 200 | | Rtxi-5Sil MS 0.25 (mm) |
| ZZZZZ | | 04/13/2016 15:56 | 1 | | Rtxi-5Sil MS 0.25 (mm) |

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Batch Number: 361719 Batch Start Date: 04/10/16 09:03 Batch Analyst: Barthelus, Guyrlande RBatch Method: 3546 Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | OP_Benzald_sp 00002 | OP_BNA SPIK 00020 | OP_BNASurroga 00009 | |
|-----------------------|------------------|--------------|-------|---------------|-------------|------------------------|----------------------|------------------------|--|
| MB 460-361719/1 | | 3546, 8270D | | 15.0000 g | 1 mL | | | 500 uL | |
| LCS 460-361719/2 | | 3546, 8270D | | 15.0000 g | 1 mL | | 500 uL | 500 uL | |
| LCS 460-361719/3 | | 3546, 8270D | | 15.0000 g | 1 mL | 50 uL | | 500 uL | |
| 460-111767-D-4 MS | | 3546, 8270D | T | 15.0562 g | 1 mL | 50 uL | 500 uL | 500 uL | |
| 460-111767-D-4 MSD | | 3546, 8270D | T | 15.0958 g | 1 mL | 50 uL | 500 uL | 500 uL | |
| 460-111850-A-1 | A4 | 3546, 8270D | T | 15.0458 g | 1 mL | | | 500 uL | |
| 460-111850-A-2 | A5 | 3546, 8270D | T | 15.0065 g | 1 mL | | | 500 uL | |

| Batch Notes | |
|------------------------------------|---------------------------------|
| Balance ID | 28 |
| Batch Comment | BNA SOIL 8270D |
| Final Concentrator Volume | 1 mL |
| MeCL2 ID | 133788 |
| MeCl2 / Acetone ID | 110970 |
| Na2SO4 ID | 151191 (SILICA SAND LOT#132456) |
| Person's name who did the prep | GB |
| Analyst ID - Spike Analyst | GB |
| Analyst ID - Spike Witness Analyst | GB |
| Water Bath Temperature | 38c (38c UNCORRECTED) |

| 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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Batch Number: 361911 Batch Start Date: 04/11/16 13:01 Batch Analyst: DeLeaon, Royce ABatch Method: 3546 Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | OP_Benzald_sp 00002 | OP_BNA SPIK 00020 | OP_BNASurroga 00009 | |
|-----------------------|------------------|--------------|-------|---------------|-------------|------------------------|----------------------|------------------------|--|
| MB 460-361911/1 | | 3546, 8270D | | 15.0000 g | 1 mL | | | 500 uL | |
| LCS 460-361911/2 | | 3546, 8270D | | 15.0000 g | 1 mL | | 500 uL | 500 uL | |
| LCS 460-361911/3 | | 3546, 8270D | | 15.0000 g | 1 mL | 50 uL | | 500 uL | |
| 460-111850-A-3 MS | B4 | 3546, 8270D | T | 15.0247 g | 1 mL | 50 uL | 500 uL | 500 uL | |
| 460-111850-A-3 MSD | B4 | 3546, 8270D | T | 15.0255 g | 1 mL | 50 uL | 500 uL | 500 uL | |
| 460-111850-A-3 | B4 | 3546, 8270D | T | 15.0253 g | 1 mL | | | 500 uL | |

| Batch Notes | |
|------------------------------------|---------------------------------|
| Balance ID | 28 |
| Batch Comment | BNA SOIL 8270D |
| Final Concentrator Volume | 1 mL |
| MeCL2 ID | 135255 |
| MeCl2 / Acetone ID | 110970 |
| Na2SO4 ID | 151191 (SILICA SAND LOT#132456) |
| Person's name who did the prep | RD |
| Analyst ID - Spike Analyst | RD |
| Analyst ID - Spike Witness Analyst | RD |
| Water Bath Temperature | 38c (38c UNCORRECTED) |

| 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.

8270D

Page 1 of 1

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-111850-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID

A4

A5

B4

Lab Sample ID

460-111850-1

460-111850-2

460-111850-3

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

| | |
|-------------------------------------|--|
| Client Sample ID: <u>A4</u> | Lab Sample ID: <u>460-111850-1</u> |
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG ID.: _____ | |
| Matrix: <u>Solid</u> | Date Sampled: <u>04/08/2016 14:05</u> |
| Reporting Basis: <u>DRY</u> | Date Received: <u>04/08/2016 18:00</u> |
| % Solids: <u>91.7</u> | |

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|-----------|-----------|--------|------|------|-------|---|---|-----|--------|
| 7429-90-5 | Aluminum | 11200 | 34.9 | 18.0 | mg/Kg | | | 4 | 6010C |
| 7440-36-0 | Antimony | 3.5 | 3.5 | 1.4 | mg/Kg | U | | 4 | 6010C |
| 7440-38-2 | Arsenic | 10.5 | 2.6 | 0.86 | mg/Kg | | | 4 | 6010C |
| 7440-39-3 | Barium | 45.7 | 34.9 | 1.2 | mg/Kg | | | 4 | 6010C |
| 7440-41-7 | Beryllium | 0.44 | 0.35 | 0.30 | mg/Kg | | | 4 | 6010C |
| 7440-43-9 | Cadmium | 0.70 | 0.70 | 0.36 | mg/Kg | U | | 4 | 6010C |
| 7440-70-2 | Calcium | 1310 | 873 | 51.7 | mg/Kg | | | 4 | 6010C |
| 7440-47-3 | Chromium | 15.7 | 1.7 | 0.84 | mg/Kg | | | 4 | 6010C |
| 7440-48-4 | Cobalt | 4.8 | 8.7 | 1.0 | mg/Kg | J | | 4 | 6010C |
| 7440-50-8 | Copper | 14.5 | 4.4 | 1.1 | mg/Kg | | | 4 | 6010C |
| 7439-89-6 | Iron | 15200 | 26.2 | 19.7 | mg/Kg | | | 4 | 6010C |
| 7439-92-1 | Lead | 57.2 | 1.7 | 0.69 | mg/Kg | | | 4 | 6010C |
| 7439-95-4 | Magnesium | 1490 | 873 | 43.6 | mg/Kg | | | 4 | 6010C |
| 7439-96-5 | Manganese | 246 | 2.6 | 0.92 | mg/Kg | | | 4 | 6010C |
| 7440-02-0 | Nickel | 10.7 | 7.0 | 1.3 | mg/Kg | | | 4 | 6010C |
| 7440-09-7 | Potassium | 444 | 873 | 26.4 | mg/Kg | J | | 4 | 6010C |
| 7782-49-2 | Selenium | 3.5 | 3.5 | 1.2 | mg/Kg | U | | 4 | 6010C |
| 7440-22-4 | Silver | 1.7 | 1.7 | 0.31 | mg/Kg | U | | 4 | 6010C |
| 7440-23-5 | Sodium | 873 | 873 | 59.1 | mg/Kg | U | | 4 | 6010C |
| 7440-28-0 | Thallium | 3.5 | 3.5 | 1.5 | mg/Kg | U | | 4 | 6010C |
| 7440-62-2 | Vanadium | 26.3 | 8.7 | 0.87 | mg/Kg | | | 4 | 6010C |
| 7440-66-6 | Zinc | 38.0 | 5.2 | 1.3 | mg/Kg | | | 4 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

| | |
|-------------------------------------|--|
| Client Sample ID: <u>A5</u> | Lab Sample ID: <u>460-111850-2</u> |
| Lab Name: <u>TestAmerica Edison</u> | Job No.: <u>460-111850-1</u> |
| SDG ID.: _____ | |
| Matrix: <u>Solid</u> | Date Sampled: <u>04/08/2016 14:00</u> |
| Reporting Basis: <u>DRY</u> | Date Received: <u>04/08/2016 18:00</u> |
| % Solids: <u>89.5</u> | |

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|-----------|-----------|--------|------|------|-------|---|---|-----|--------|
| 7429-90-5 | Aluminum | 11600 | 35.8 | 18.4 | mg/Kg | | | 4 | 6010C |
| 7440-36-0 | Antimony | 3.6 | 3.6 | 1.4 | mg/Kg | U | | 4 | 6010C |
| 7440-38-2 | Arsenic | 6.4 | 2.7 | 0.88 | mg/Kg | | | 4 | 6010C |
| 7440-39-3 | Barium | 377 | 35.8 | 1.3 | mg/Kg | | | 4 | 6010C |
| 7440-41-7 | Beryllium | 0.45 | 0.36 | 0.30 | mg/Kg | | | 4 | 6010C |
| 7440-43-9 | Cadmium | 0.72 | 0.72 | 0.37 | mg/Kg | U | | 4 | 6010C |
| 7440-70-2 | Calcium | 1750 | 894 | 52.9 | mg/Kg | | | 4 | 6010C |
| 7440-47-3 | Chromium | 18.7 | 1.8 | 0.86 | mg/Kg | | | 4 | 6010C |
| 7440-48-4 | Cobalt | 4.7 | 8.9 | 1.0 | mg/Kg | J | | 4 | 6010C |
| 7440-50-8 | Copper | 178 | 4.5 | 1.2 | mg/Kg | | | 4 | 6010C |
| 7439-89-6 | Iron | 14900 | 26.8 | 20.2 | mg/Kg | | | 4 | 6010C |
| 7439-92-1 | Lead | 2140 | 1.8 | 0.70 | mg/Kg | | | 4 | 6010C |
| 7439-95-4 | Magnesium | 1620 | 894 | 44.6 | mg/Kg | | | 4 | 6010C |
| 7439-96-5 | Manganese | 212 | 2.7 | 0.94 | mg/Kg | | | 4 | 6010C |
| 7440-02-0 | Nickel | 12.1 | 7.2 | 1.3 | mg/Kg | | | 4 | 6010C |
| 7440-09-7 | Potassium | 356 | 894 | 27.1 | mg/Kg | J | | 4 | 6010C |
| 7782-49-2 | Selenium | 3.6 | 3.6 | 1.2 | mg/Kg | U | | 4 | 6010C |
| 7440-22-4 | Silver | 1.8 | 1.8 | 0.32 | mg/Kg | U | | 4 | 6010C |
| 7440-23-5 | Sodium | 894 | 894 | 60.5 | mg/Kg | U | | 4 | 6010C |
| 7440-28-0 | Thallium | 3.6 | 3.6 | 1.6 | mg/Kg | U | | 4 | 6010C |
| 7440-62-2 | Vanadium | 21.8 | 8.9 | 0.89 | mg/Kg | | | 4 | 6010C |
| 7440-66-6 | Zinc | 135 | 5.4 | 1.3 | mg/Kg | | | 4 | 6010C |

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

| | |
|------------------------------|---------------------------------|
| Client Sample ID: B4 | Lab Sample ID: 460-111850-3 |
| Lab Name: TestAmerica Edison | Job No.: 460-111850-1 |
| SDG ID.: | |
| Matrix: Solid | Date Sampled: 04/08/2016 13:25 |
| Reporting Basis: DRY | Date Received: 04/08/2016 18:00 |
| % Solids: 93.8 | |

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|-----------|-----------|--------|------|------|-------|---|---|-----|--------|
| 7429-90-5 | Aluminum | 5920 | 40.6 | 20.9 | mg/Kg | | | 4 | 6010C |
| 7440-36-0 | Antimony | 4.1 | 4.1 | 1.6 | mg/Kg | U | | 4 | 6010C |
| 7440-38-2 | Arsenic | 8.7 | 3.0 | 1.0 | mg/Kg | | | 4 | 6010C |
| 7440-39-3 | Barium | 26.4 | 40.6 | 1.5 | mg/Kg | J | | 4 | 6010C |
| 7440-41-7 | Beryllium | 0.41 | 0.41 | 0.34 | mg/Kg | U | | 4 | 6010C |
| 7440-43-9 | Cadmium | 0.81 | 0.81 | 0.42 | mg/Kg | U | | 4 | 6010C |
| 7440-70-2 | Calcium | 506 | 1020 | 60.1 | mg/Kg | J | | 4 | 6010C |
| 7440-47-3 | Chromium | 9.8 | 2.0 | 0.98 | mg/Kg | | | 4 | 6010C |
| 7440-48-4 | Cobalt | 3.0 | 10.2 | 1.2 | mg/Kg | J | | 4 | 6010C |
| 7440-50-8 | Copper | 11.6 | 5.1 | 1.3 | mg/Kg | | | 4 | 6010C |
| 7439-89-6 | Iron | 10500 | 30.5 | 22.9 | mg/Kg | | | 4 | 6010C |
| 7439-92-1 | Lead | 19.4 | 2.0 | 0.80 | mg/Kg | | | 4 | 6010C |
| 7439-95-4 | Magnesium | 858 | 1020 | 50.7 | mg/Kg | J | | 4 | 6010C |
| 7439-96-5 | Manganese | 174 | 3.0 | 1.1 | mg/Kg | | | 4 | 6010C |
| 7440-02-0 | Nickel | 7.6 | 8.1 | 1.5 | mg/Kg | J | | 4 | 6010C |
| 7440-09-7 | Potassium | 255 | 1020 | 30.8 | mg/Kg | J | | 4 | 6010C |
| 7782-49-2 | Selenium | 4.1 | 4.1 | 1.4 | mg/Kg | U | | 4 | 6010C |
| 7440-22-4 | Silver | 2.0 | 2.0 | 0.36 | mg/Kg | U | | 4 | 6010C |
| 7440-23-5 | Sodium | 1020 | 1020 | 68.7 | mg/Kg | U | | 4 | 6010C |
| 7440-28-0 | Thallium | 4.1 | 4.1 | 1.8 | mg/Kg | U | | 4 | 6010C |
| 7440-62-2 | Vanadium | 12.3 | 10.2 | 1.0 | mg/Kg | | | 4 | 6010C |
| 7440-66-6 | Zinc | 29.4 | 6.1 | 1.5 | mg/Kg | | | 4 | 6010C |

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00152 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00152

| Analyte | ICV 460-361771/7 04/10/2016 14:23 | | | | CCV 460-361771/46 04/10/2016 16:50 | | | | CCV 460-361771/59 04/10/2016 17:39 | | | |
|------------------|--------------------------------------|---|--------|-----|---------------------------------------|---|--------|-----|---------------------------------------|---|--------|-----|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| Aluminum | 121100 | | 125000 | 97 | 120800 | | 125000 | 97 | 121300 | | 125000 | 97 |
| Antimony | 962.8 | | 1000 | 96 | 982.3 | | 1000 | 98 | 979.8 | | 1000 | 98 |
| Arsenic | 2428 | | 2500 | 97 | 2465 | | 2500 | 99 | 2465 | | 2500 | 99 |
| Barium | 9892 | | 10000 | 99 | 9968 | | 10000 | 100 | 9971 | | 10000 | 100 |
| Beryllium | 979.5 | | 1000 | 98 | 987.6 | | 1000 | 99 | 989.7 | | 1000 | 99 |
| Cadmium | 1226 | | 1250 | 98 | 1234 | | 1250 | 99 | 1237 | | 1250 | 99 |
| Calcium | 121700 | | 125000 | 97 | 123800 | | 125000 | 99 | 125200 | | 125000 | 100 |
| Chromium | 4910 | | 5000 | 98 | 5019 | | 5000 | 100 | 5084 | | 5000 | 102 |
| Cobalt | 2441 | | 2500 | 98 | 2467 | | 2500 | 99 | 2472 | | 2500 | 99 |
| Copper | 12120 | | 12500 | 97 | 12340 | | 12500 | 99 | 12360 | | 12500 | 99 |
| Iron | 98000 | | 100000 | 98 | 99580 | | 100000 | 100 | 100500 | | 100000 | 101 |
| Lead | 7355 | | 7500 | 98 | 7426 | | 7500 | 99 | 7451 | | 7500 | 99 |
| Magnesium | 121500 | | 125000 | 97 | 124800 | | 125000 | 100 | 126400 | | 125000 | 101 |
| Manganese | 4987 | | 5000 | 100 | 5083 | | 5000 | 102 | 5129 | | 5000 | 103 |
| Nickel | 2466 | | 2500 | 99 | 2491 | | 2500 | 100 | 2497 | | 2500 | 100 |
| Potassium | 48170 | | 50000 | 96 | 48160 | | 50000 | 96 | 48170 | | 50000 | 96 |
| Selenium | 2406 | | 2500 | 96 | 2431 | | 2500 | 97 | 2425 | | 2500 | 97 |
| Silver | 1203 | | 1250 | 96 | 1222 | | 1250 | 98 | 1231 | | 1250 | 98 |
| Sodium | 121400 | | 125000 | 97 | 123400 | | 125000 | 99 | 123200 | | 125000 | 99 |
| Thallium | 2459 | | 2500 | 98 | 2472 | | 2500 | 99 | 2474 | | 2500 | 99 |
| Vanadium | 2438 | | 2500 | 98 | 2476 | | 2500 | 99 | 2495 | | 2500 | 100 |
| Zinc | 2471 | | 2500 | 99 | 2486 | | 2500 | 99 | 2504 | | 2500 | 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 Edison Job No.: 460-111850-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00152 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00152

| Analyte | CCV 460-361771/72 04/10/2016 18:27 | | | | | | | | | | | |
|------------------|---------------------------------------|---|--------|-----|-------|---|------|----|-------|---|------|----|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| Aluminum | 121200 | | 125000 | 97 | | | | | | | | |
| Antimony | 986.5 | | 1000 | 99 | | | | | | | | |
| Arsenic | 2483 | | 2500 | 99 | | | | | | | | |
| Barium | 9988 | | 10000 | 100 | | | | | | | | |
| Beryllium | 987.1 | | 1000 | 99 | | | | | | | | |
| Cadmium | 1238 | | 1250 | 99 | | | | | | | | |
| Calcium | 125200 | | 125000 | 100 | | | | | | | | |
| Chromium | 5093 | | 5000 | 102 | | | | | | | | |
| Cobalt | 2478 | | 2500 | 99 | | | | | | | | |
| Copper | 12460 | | 12500 | 100 | | | | | | | | |
| Iron | 100600 | | 100000 | 101 | | | | | | | | |
| Lead | 7457 | | 7500 | 99 | | | | | | | | |
| Magnesium | 126000 | | 125000 | 101 | | | | | | | | |
| Manganese | 5124 | | 5000 | 102 | | | | | | | | |
| Nickel | 2505 | | 2500 | 100 | | | | | | | | |
| Potassium | 48230 | | 50000 | 96 | | | | | | | | |
| Selenium | 2441 | | 2500 | 98 | | | | | | | | |
| Silver | 1236 | | 1250 | 99 | | | | | | | | |
| Sodium | 124200 | | 125000 | 99 | | | | | | | | |
| Thallium | 2476 | | 2500 | 99 | | | | | | | | |
| Vanadium | 2506 | | 2500 | 100 | | | | | | | | |
| Zinc | 2504 | | 2500 | 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 Edison

Job No.: 460-111850-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00010

Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00010

| Analyte | ICVL 460-361771/9 04/10/2016 14:31 | | | | CCVL 460-361771/48 04/10/2016 16:58 | | | | CCVL 460-361771/61 04/10/2016 17:46 | | | |
|------------------|---------------------------------------|---|------|-----|--|---|------|-----|--|---|------|-----|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| Aluminum | 203.9 | | 200 | 102 | 199.0 | J | 200 | 100 | 193.4 | J | 200 | 97 |
| Antimony | 18.91 | J | 20.0 | 95 | 18.71 | J | 20.0 | 94 | 19.63 | J | 20.0 | 98 |
| Arsenic | 13.73 | J | 15.0 | 92 | 14.47 | J | 15.0 | 96 | 12.57 | J | 15.0 | 84 |
| Barium | 205.6 | | 200 | 103 | 206.9 | | 200 | 103 | 204.9 | | 200 | 102 |
| Beryllium | 1.97 | J | 2.00 | 99 | 2.03 | | 2.00 | 102 | 1.99 | J | 2.00 | 99 |
| Cadmium | 4.01 | | 4.00 | 100 | 3.90 | J | 4.00 | 98 | 4.00 | | 4.00 | 100 |
| Calcium | 5040 | | 5000 | 101 | 5106 | | 5000 | 102 | 5042 | | 5000 | 101 |
| Chromium | 9.82 | J | 10.0 | 98 | 10.04 | | 10.0 | 100 | 9.49 | J | 10.0 | 95 |
| Cobalt | 51.40 | | 50.0 | 103 | 51.66 | | 50.0 | 103 | 51.38 | | 50.0 | 103 |
| Copper | 22.39 | J | 25.0 | 90 | 23.58 | J | 25.0 | 94 | 23.26 | J | 25.0 | 93 |
| Iron | 148.9 | J | 150 | 99 | 154.7 | | 150 | 103 | 154.7 | | 150 | 103 |
| Lead | 12.07 | | 10.0 | 121 | 11.07 | | 10.0 | 111 | 11.20 | | 10.0 | 112 |
| Magnesium | 4902 | J | 5000 | 98 | 4993 | J | 5000 | 100 | 4912 | J | 5000 | 98 |
| Manganese | 15.43 | | 15.0 | 103 | 15.74 | | 15.0 | 105 | 15.55 | | 15.0 | 104 |
| Nickel | 41.57 | | 40.0 | 104 | 42.34 | | 40.0 | 106 | 41.86 | | 40.0 | 105 |
| Potassium | 4743 | J | 5000 | 95 | 4721 | J | 5000 | 94 | 4802 | J | 5000 | 96 |
| Selenium | 15.77 | J | 20.0 | 79 | 17.50 | J | 20.0 | 88 | 17.86 | J | 20.0 | 89 |
| Silver | 9.81 | J | 10.0 | 98 | 10.0 | | 10.0 | 100 | 9.88 | J | 10.0 | 99 |
| Sodium | 4919 | J | 5000 | 98 | 4935 | J | 5000 | 99 | 4917 | J | 5000 | 98 |
| Thallium | 20.30 | | 20.0 | 102 | 18.38 | J | 20.0 | 92 | 17.14 | J | 20.0 | 86 |
| Vanadium | 49.81 | J | 50.0 | 100 | 51.48 | | 50.0 | 103 | 50.42 | | 50.0 | 101 |
| Zinc | 30.79 | | 30.0 | 103 | 31.23 | | 30.0 | 104 | 31.05 | | 30.0 | 104 |

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 Edison Job No.: 460-111850-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00010 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00010

| Analyte | CCVL 460-361771/74 04/10/2016 18:35 | | | | | | | | | | | |
|------------------|--|---|------|-----|-------|---|------|----|-------|---|------|----|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| Aluminum | 197.3 | J | 200 | 99 | | | | | | | | |
| Antimony | 17.64 | J | 20.0 | 88 | | | | | | | | |
| Arsenic | 14.01 | J | 15.0 | 93 | | | | | | | | |
| Barium | 206.3 | | 200 | 103 | | | | | | | | |
| Beryllium | 2.01 | | 2.00 | 100 | | | | | | | | |
| Cadmium | 4.00 | | 4.00 | 100 | | | | | | | | |
| Calcium | 5098 | | 5000 | 102 | | | | | | | | |
| Chromium | 9.86 | J | 10.0 | 99 | | | | | | | | |
| Cobalt | 52.16 | | 50.0 | 104 | | | | | | | | |
| Copper | 24.18 | J | 25.0 | 97 | | | | | | | | |
| Iron | 159.4 | | 150 | 106 | | | | | | | | |
| Lead | 11.42 | | 10.0 | 114 | | | | | | | | |
| Magnesium | 5025 | | 5000 | 101 | | | | | | | | |
| Manganese | 15.89 | | 15.0 | 106 | | | | | | | | |
| Nickel | 42.53 | | 40.0 | 106 | | | | | | | | |
| Potassium | 4795 | J | 5000 | 96 | | | | | | | | |
| Selenium | 17.58 | J | 20.0 | 88 | | | | | | | | |
| Silver | 10.03 | | 10.0 | 100 | | | | | | | | |
| Sodium | 4911 | J | 5000 | 98 | | | | | | | | |
| Thallium | 20.47 | | 20.0 | 102 | | | | | | | | |
| Vanadium | 51.18 | | 50.0 | 102 | | | | | | | | |
| Zinc | 31.20 | | 30.0 | 104 | | | | | | | | |

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 Edison Job No.: 460-111850-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00152 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00152

| Analyte | ICV 460-361922/7 04/11/2016 13:53 | | | | CCV 460-361922/80 04/11/2016 18:32 | | | | CCV 460-361922/93 04/11/2016 19:21 | | | |
|------------------|--------------------------------------|---|--------|-----|---------------------------------------|---|--------|-----|---------------------------------------|---|--------|-----|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| Aluminum | 125300 | | 125000 | 100 | 126100 | | 125000 | 101 | 126500 | | 125000 | 101 |
| Antimony | 993.3 | | 1000 | 99 | 983.3 | | 1000 | 98 | 991.8 | | 1000 | 99 |
| Arsenic | 2496 | | 2500 | 100 | 2465 | | 2500 | 99 | 2483 | | 2500 | 99 |
| Barium | 10150 | | 10000 | 102 | 9897 | | 10000 | 99 | 9896 | | 10000 | 99 |
| Beryllium | 1021 | | 1000 | 102 | 1044 | | 1000 | 104 | 1048 | | 1000 | 105 |
| Cadmium | 1251 | | 1250 | 100 | 1223 | | 1250 | 98 | 1222 | | 1250 | 98 |
| Calcium | 125600 | | 125000 | 100 | 125500 | | 125000 | 100 | 125300 | | 125000 | 100 |
| Chromium | 5106 | | 5000 | 102 | 5172 | | 5000 | 103 | 5190 | | 5000 | 104 |
| Cobalt | 2495 | | 2500 | 100 | 2449 | | 2500 | 98 | 2452 | | 2500 | 98 |
| Copper | 12470 | | 12500 | 100 | 12480 | | 12500 | 100 | 12640 | | 12500 | 101 |
| Iron | 101300 | | 100000 | 101 | 101100 | | 100000 | 101 | 101200 | | 100000 | 101 |
| Lead | 7517 | | 7500 | 100 | 7392 | | 7500 | 99 | 7398 | | 7500 | 99 |
| Magnesium | 125800 | | 125000 | 101 | 127100 | | 125000 | 102 | 127200 | | 125000 | 102 |
| Manganese | 5174 | | 5000 | 103 | 5192 | | 5000 | 104 | 5198 | | 5000 | 104 |
| Nickel | 2530 | | 2500 | 101 | 2474 | | 2500 | 99 | 2479 | | 2500 | 99 |
| Potassium | 49580 | | 50000 | 99 | 49740 | | 50000 | 99 | 49770 | | 50000 | 100 |
| Selenium | 2439 | | 2500 | 98 | 2378 | | 2500 | 95 | 2396 | | 2500 | 96 |
| Silver | 1244 | | 1250 | 100 | 1237 | | 1250 | 99 | 1249 | | 1250 | 100 |
| Sodium | 125900 | | 125000 | 101 | 129100 | | 125000 | 103 | 129700 | | 125000 | 104 |
| Thallium | 2491 | | 2500 | 100 | 2425 | | 2500 | 97 | 2421 | | 2500 | 97 |
| Vanadium | 2527 | | 2500 | 101 | 2516 | | 2500 | 101 | 2530 | | 2500 | 101 |
| Zinc | 2534 | | 2500 | 101 | 2473 | | 2500 | 99 | 2465 | | 2500 | 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 Edison

Job No.: 460-111850-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00010

Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00010

| Analyte | ICVL 460-361922/9 04/11/2016 14:01 | | | | CCVL 460-361922/82 04/11/2016 18:40 | | | | CCVL 460-361922/95 04/11/2016 19:29 | | | |
|------------------|---------------------------------------|---|------|-----|--|---|------|-----|--|---|------|-----|
| | Found | C | True | %R | Found | C | True | %R | Found | C | True | %R |
| Aluminum | 202.0 | | 200 | 101 | 206.1 | | 200 | 103 | 223.4 | | 200 | 112 |
| Antimony | 18.05 | J | 20.0 | 90 | 18.34 | J | 20.0 | 92 | 18.29 | J | 20.0 | 91 |
| Arsenic | 13.29 | J | 15.0 | 89 | 13.91 | J | 15.0 | 93 | 14.51 | J | 15.0 | 97 |
| Barium | 203.6 | | 200 | 102 | 202.5 | | 200 | 101 | 202.4 | | 200 | 101 |
| Beryllium | 2.04 | | 2.00 | 102 | 2.04 | | 2.00 | 102 | 2.08 | | 2.00 | 104 |
| Cadmium | 4.09 | | 4.00 | 102 | 3.92 | J | 4.00 | 98 | 4.03 | | 4.00 | 101 |
| Calcium | 5039 | | 5000 | 101 | 5065 | | 5000 | 101 | 5054 | | 5000 | 101 |
| Chromium | 9.99 | J | 10.0 | 100 | 10.17 | | 10.0 | 102 | 10.67 | | 10.0 | 107 |
| Cobalt | 50.95 | | 50.0 | 102 | 51.26 | | 50.0 | 103 | 51.26 | | 50.0 | 103 |
| Copper | 24.48 | J | 25.0 | 98 | 25.97 | | 25.0 | 104 | 26.25 | | 25.0 | 105 |
| Iron | 169.6 | | 150 | 113 | 166.9 | | 150 | 111 | 171.1 | | 150 | 114 |
| Lead | 10.94 | | 10.0 | 109 | 11.05 | | 10.0 | 111 | 10.28 | | 10.0 | 103 |
| Magnesium | 4962 | J | 5000 | 99 | 5125 | | 5000 | 103 | 5099 | | 5000 | 102 |
| Manganese | 16.37 | | 15.0 | 109 | 16.71 | | 15.0 | 111 | 16.87 | | 15.0 | 112 |
| Nickel | 41.83 | | 40.0 | 105 | 41.48 | | 40.0 | 104 | 41.51 | | 40.0 | 104 |
| Potassium | 4827 | J | 5000 | 97 | 4994 | J | 5000 | 100 | 4963 | J | 5000 | 99 |
| Selenium | 21.12 | | 20.0 | 106 | 18.50 | J | 20.0 | 93 | 20.53 | | 20.0 | 103 |
| Silver | 9.16 | J | 10.0 | 92 | 9.20 | J | 10.0 | 92 | 8.85 | J | 10.0 | 88 |
| Sodium | 4975 | J | 5000 | 100 | 5159 | | 5000 | 103 | 5168 | | 5000 | 103 |
| Thallium | 19.21 | J | 20.0 | 96 | 16.97 | J | 20.0 | 85 | 19.03 | J | 20.0 | 95 |
| Vanadium | 51.41 | | 50.0 | 103 | 52.04 | | 50.0 | 104 | 52.24 | | 50.0 | 104 |
| Zinc | 31.08 | | 30.0 | 104 | 30.80 | | 30.0 | 103 | 30.70 | | 30.0 | 102 |

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Concentration Units: ug/L

| Analyte | RL | ICB 460-361771/8 04/10/2016 14:27 | | CCB 460-361771/47 04/10/2016 16:54 | | CCB 460-361771/60 04/10/2016 17:42 | | CCB 460-361771/73 04/10/2016 18:31 | |
|-----------|------|--------------------------------------|---|---------------------------------------|---|---------------------------------------|---|---------------------------------------|---|
| | | Found | C | Found | C | Found | C | Found | C |
| Aluminum | 200 | 200 | U | 200 | U | 200 | U | 200 | U |
| Antimony | 20.0 | 20.0 | U | 20.0 | U | 20.0 | U | 20.0 | U |
| Arsenic | 15.0 | 15.0 | U | 15.0 | U | 15.0 | U | 15.0 | U |
| Barium | 200 | 200 | U | 200 | U | 200 | U | 200 | U |
| Beryllium | 2.0 | 2.0 | U | 2.0 | U | 2.0 | U | 2.0 | U |
| Cadmium | 4.0 | 4.0 | U | 4.0 | U | 4.0 | U | 4.0 | U |
| Calcium | 5000 | 5000 | U | 5000 | U | 5000 | U | 5000 | U |
| Chromium | 10.0 | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U |
| Cobalt | 50.0 | 50.0 | U | 50.0 | U | 50.0 | U | 50.0 | U |
| Copper | 25.0 | 25.0 | U | 25.0 | U | 25.0 | U | 25.0 | U |
| Iron | 150 | 150 | U | 150 | U | 150 | U | 150 | U |
| Lead | 10.0 | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U |
| Magnesium | 5000 | 5000 | U | 5000 | U | 5000 | U | 5000 | U |
| Manganese | 15.0 | 15.0 | U | 15.0 | U | 15.0 | U | 15.0 | U |
| Nickel | 40.0 | 40.0 | U | 40.0 | U | 40.0 | U | 40.0 | U |
| Potassium | 5000 | 5000 | U | 5000 | U | 5000 | U | 5000 | U |
| Selenium | 20.0 | 20.0 | U | 20.0 | U | 20.0 | U | 20.0 | U |
| Silver | 10.0 | 10.0 | U | 10.0 | U | 10.0 | U | 10.0 | U |
| Sodium | 5000 | 5000 | U | 5000 | U | 5000 | U | 5000 | U |
| Thallium | 20.0 | 20.0 | U | 20.0 | U | 20.0 | U | 20.0 | U |
| Vanadium | 50.0 | 50.0 | U | 50.0 | U | 50.0 | U | 50.0 | U |
| Zinc | 30.0 | 30.0 | U | 30.0 | U | 30.0 | U | 30.0 | U |

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Concentration Units: ug/L

| Analyte | RL | ICB 460-361922/8 04/11/2016 13:57 | | CCB 460-361922/81 04/11/2016 18:36 | | CCB 460-361922/94 04/11/2016 19:25 | | | |
|-----------|------|--------------------------------------|---|---------------------------------------|---|---------------------------------------|---|-------|---|
| | | Found | C | Found | C | Found | C | Found | C |
| Aluminum | 200 | 200 | U | 200 | U | 200 | U | | |
| Antimony | 20.0 | 20.0 | U | 20.0 | U | 20.0 | U | | |
| Arsenic | 15.0 | 15.0 | U | 15.0 | U | 15.0 | U | | |
| Barium | 200 | 200 | U | 200 | U | 200 | U | | |
| Beryllium | 2.0 | 2.0 | U | 2.0 | U | 2.0 | U | | |
| Cadmium | 4.0 | 4.0 | U | 4.0 | U | 4.0 | U | | |
| Calcium | 5000 | 5000 | U | 5000 | U | 5000 | U | | |
| Chromium | 10.0 | 10.0 | U | 10.0 | U | 10.0 | U | | |
| Cobalt | 50.0 | 50.0 | U | 50.0 | U | 50.0 | U | | |
| Copper | 25.0 | 25.0 | U | 25.0 | U | 25.0 | U | | |
| Iron | 150 | 150 | U | 150 | U | 150 | U | | |
| Lead | 10.0 | 10.0 | U | 10.0 | U | 10.0 | U | | |
| Magnesium | 5000 | 5000 | U | 5000 | U | 5000 | U | | |
| Manganese | 15.0 | 15.0 | U | 15.0 | U | 15.0 | U | | |
| Nickel | 40.0 | 40.0 | U | 40.0 | U | 40.0 | U | | |
| Potassium | 5000 | 5000 | U | 5000 | U | 5000 | U | | |
| Selenium | 20.0 | 20.0 | U | 20.0 | U | 20.0 | U | | |
| Silver | 10.0 | 10.0 | U | 10.0 | U | 10.0 | U | | |
| Sodium | 5000 | 5000 | U | 5000 | U | 5000 | U | | |
| Thallium | 20.0 | 20.0 | U | 20.0 | U | 20.0 | U | | |
| Vanadium | 50.0 | 50.0 | U | 50.0 | U | 50.0 | U | | |
| Zinc | 30.0 | 30.0 | U | 30.0 | U | 30.0 | U | | |

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-361679/1-A ^2
 Instrument Code: ICP5 Batch No.: 361771

| CAS No. | Analyte | Concentration | C | Q | Method |
|-----------|-----------|---------------|---|---|--------|
| 7429-90-5 | Aluminum | 20.0 | U | | 6010C |
| 7440-36-0 | Antimony | 2.0 | U | | 6010C |
| 7440-38-2 | Arsenic | 1.5 | U | | 6010C |
| 7440-39-3 | Barium | 20.0 | U | | 6010C |
| 7440-41-7 | Beryllium | 0.20 | U | | 6010C |
| 7440-43-9 | Cadmium | 0.40 | U | | 6010C |
| 7440-70-2 | Calcium | 500 | U | | 6010C |
| 7440-47-3 | Chromium | 1.0 | U | | 6010C |
| 7440-48-4 | Cobalt | 5.0 | U | | 6010C |
| 7440-50-8 | Copper | 2.5 | U | | 6010C |
| 7439-89-6 | Iron | 15.0 | U | | 6010C |
| 7439-92-1 | Lead | 1.0 | U | | 6010C |
| 7439-95-4 | Magnesium | 500 | U | | 6010C |
| 7439-96-5 | Manganese | 1.5 | U | | 6010C |
| 7440-02-0 | Nickel | 4.0 | U | | 6010C |
| 7440-09-7 | Potassium | 500 | U | | 6010C |
| 7782-49-2 | Selenium | 2.0 | U | | 6010C |
| 7440-22-4 | Silver | 1.0 | U | | 6010C |
| 7440-23-5 | Sodium | 500 | U | | 6010C |
| 7440-28-0 | Thallium | 2.0 | U | | 6010C |
| 7440-62-2 | Vanadium | 5.0 | U | | 6010C |
| 7440-66-6 | Zinc | 3.0 | U | | 6010C |

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-361839/1-A ^2
 Instrument Code: ICP5 Batch No.: 361922

| CAS No. | Analyte | Concentration | C | Q | Method |
|-----------|-----------|---------------|---|---|--------|
| 7429-90-5 | Aluminum | 20.0 | U | | 6010C |
| 7440-36-0 | Antimony | 2.0 | U | | 6010C |
| 7440-38-2 | Arsenic | 1.5 | U | | 6010C |
| 7440-39-3 | Barium | 20.0 | U | | 6010C |
| 7440-41-7 | Beryllium | 0.20 | U | | 6010C |
| 7440-43-9 | Cadmium | 0.40 | U | | 6010C |
| 7440-70-2 | Calcium | 500 | U | | 6010C |
| 7440-47-3 | Chromium | 1.0 | U | | 6010C |
| 7440-48-4 | Cobalt | 5.0 | U | | 6010C |
| 7440-50-8 | Copper | 2.5 | U | | 6010C |
| 7439-89-6 | Iron | 15.0 | U | | 6010C |
| 7439-92-1 | Lead | 1.0 | U | | 6010C |
| 7439-95-4 | Magnesium | 500 | U | | 6010C |
| 7439-96-5 | Manganese | 1.5 | U | | 6010C |
| 7440-02-0 | Nickel | 4.0 | U | | 6010C |
| 7440-09-7 | Potassium | 500 | U | | 6010C |
| 7782-49-2 | Selenium | 2.0 | U | | 6010C |
| 7440-22-4 | Silver | 1.0 | U | | 6010C |
| 7440-23-5 | Sodium | 500 | U | | 6010C |
| 7440-28-0 | Thallium | 2.0 | U | | 6010C |
| 7440-62-2 | Vanadium | 5.0 | U | | 6010C |
| 7440-66-6 | Zinc | 3.0 | U | | 6010C |

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-361771/10 Instrument ID: ICP5
 Lab File ID: 04102016.asc ICS Source: ME_ICSA_Duo_00071
 Concentration Units: ug/L

| Analyte | True | Found | Percent Recovery |
|-------------------|---------------|----------------|---------------------|
| | Solution A | Solution A | |
| Aluminum | 500000 | 491200 | 98 |
| Antimony | | -2.52 | |
| Arsenic | | -3.62 | |
| Barium | | -2.70 | |
| Beryllium | | -0.123 | |
| Cadmium | | 0.115 | |
| Calcium | 500000 | 483700 | 97 |
| Chromium | | -1.08 | |
| Cobalt | | -0.342 | |
| Copper | | -4.42 | |
| Iron | 200000 | 191500 | 96 |
| Lead | | 0.0787 | |
| Magnesium | 500000 | 495100 | 99 |
| Manganese | | -3.03 | |
| Nickel | | -3.08 | |
| Potassium | | 134 | |
| Selenium | | 2.28 | |
| Silver | | -0.0629 | |
| Sodium | | 13.8 | |
| Thallium | | -2.96 | |
| Vanadium | | -2.75 | |
| Zinc | | -1.85 | |
| <i>Boron</i> | | <i>-7.27</i> | |
| <i>Molybdenum</i> | | <i>-0.860</i> | |
| <i>Strontium</i> | | <i>-1.35</i> | |
| <i>Tin</i> | | <i>-3.04</i> | |
| <i>Titanium</i> | | <i>-5.83</i> | |

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-361771/11 Instrument ID: ICP5
 Lab File ID: 04102016.asc ICS Source: ME_ICSAB_DUO_00085
 Concentration Units: ug/L

| Analyte | True | Found | |
|-------------------|---------------|---------------|------------------|
| | Solution AB | Solution AB | Percent Recovery |
| Aluminum | 500000 | 498700 | 100 |
| Antimony | 100 | 96.6 | 97 |
| Arsenic | 100 | 92.5 | 92 |
| Barium | 100 | 98.2 | 98 |
| Beryllium | 100 | 97.6 | 98 |
| Cadmium | 100 | 95.3 | 95 |
| Calcium | 500000 | 491300 | 98 |
| Chromium | 100 | 97.3 | 97 |
| Cobalt | 100 | 96.0 | 96 |
| Copper | 100 | 99.5 | 99 |
| Iron | 200000 | 194500 | 97 |
| Lead | 100 | 96.5 | 96 |
| Magnesium | 500000 | 504000 | 101 |
| Manganese | 100 | 98.2 | 98 |
| Nickel | 100 | 92.4 | 92 |
| Potassium | 10000 | 10240 | 102 |
| Selenium | 100 | 92.4 | 92 |
| Silver | 100 | 102 | 102 |
| Sodium | 10000 | 10380 | 104 |
| Thallium | 100 | 93.4 | 93 |
| Vanadium | 100 | 95.2 | 95 |
| Zinc | 100 | 92.9 | 93 |
| <i>Boron</i> | <i>100</i> | <i>93.2</i> | <i>93</i> |
| <i>Molybdenum</i> | <i>100</i> | <i>91.9</i> | <i>92</i> |
| <i>Strontium</i> | <i>100</i> | <i>97.9</i> | <i>98</i> |
| <i>Tin</i> | <i>100</i> | <i>91.7</i> | <i>92</i> |
| <i>Titanium</i> | <i>100</i> | <i>95.8</i> | <i>96</i> |

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-361922/11 Instrument ID: ICP5
 Lab File ID: 04112016.asc ICS Source: ME_ICSA_Duo_00071
 Concentration Units: ug/L

| Analyte | True Solution A | Found Solution A | Percent Recovery |
|-------------------|--------------------|---------------------|---------------------|
| Aluminum | 500000 | 480600 | 96 |
| Antimony | | -0.969 | |
| Arsenic | | -1.93 | |
| Barium | | -2.04 | |
| Beryllium | | -0.0151 | |
| Cadmium | | -0.424 | |
| Calcium | 500000 | 475600 | 95 |
| Chromium | | -0.200 | |
| Cobalt | | -0.196 | |
| Copper | | 0.0641 | |
| Iron | 200000 | 187400 | 94 |
| Lead | | -1.80 | |
| Magnesium | 500000 | 480400 | 96 |
| Manganese | | -3.14 | |
| Nickel | | -2.40 | |
| Potassium | | 114 | |
| Selenium | | -0.136 | |
| Silver | | -1.46 | |
| Sodium | | 19.3 | |
| Thallium | | -1.81 | |
| Vanadium | | -1.41 | |
| Zinc | | 8.98 | |
| <i>Boron</i> | | <i>-3.19</i> | |
| <i>Molybdenum</i> | | <i>0.631</i> | |
| <i>Strontium</i> | | <i>-0.943</i> | |
| <i>Tin</i> | | <i>0.616</i> | |
| <i>Titanium</i> | | <i>-5.10</i> | |

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-361922/12 Instrument ID: ICP5
 Lab File ID: 04112016.asc ICS Source: ME_ICSAB_DUO_00085
 Concentration Units: ug/L

| Analyte | True | Found | |
|-------------------|---------------|---------------|------------------|
| | Solution AB | Solution AB | Percent Recovery |
| Aluminum | 500000 | 495900 | 99 |
| Antimony | 100 | 97.7 | 98 |
| Arsenic | 100 | 94.0 | 94 |
| Barium | 100 | 98.7 | 99 |
| Beryllium | 100 | 96.7 | 97 |
| Cadmium | 100 | 94.1 | 94 |
| Calcium | 500000 | 488200 | 98 |
| Chromium | 100 | 97.1 | 97 |
| Cobalt | 100 | 95.8 | 96 |
| Copper | 100 | 103 | 103 |
| Iron | 200000 | 193200 | 97 |
| Lead | 100 | 92.0 | 92 |
| Magnesium | 500000 | 498800 | 100 |
| Manganese | 100 | 97.1 | 97 |
| Nickel | 100 | 93.1 | 93 |
| Potassium | 10000 | 10180 | 102 |
| Selenium | 100 | 97.3 | 97 |
| Silver | 100 | 101 | 101 |
| Sodium | 10000 | 10290 | 103 |
| Thallium | 100 | 92.9 | 93 |
| Vanadium | 100 | 97.0 | 97 |
| Zinc | 100 | 104 | 104 |
| <i>Boron</i> | <i>100</i> | <i>96.7</i> | <i>97</i> |
| <i>Molybdenum</i> | <i>100</i> | <i>94.2</i> | <i>94</i> |
| <i>Strontium</i> | <i>100</i> | <i>97.9</i> | <i>98</i> |
| <i>Tin</i> | <i>100</i> | <i>95.2</i> | <i>95</i> |
| <i>Titanium</i> | <i>100</i> | <i>96.1</i> | <i>96</i> |

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: A4 MS

Lab ID: 460-111850-1 MS

Lab Name: TestAmerica Edison

Job No.: 460-111850-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 91.7

| Analyte | SSR C | Sample Result (SR) C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|-----------|----------|----------------------------|---------------------|------|------------------------|---|--------|
| Aluminum | 11760 | 11200 | 179 | 324 | 75-125 | 4 | 6010C |
| Antimony | 19.26 | 3.5 U | 44.7 | 43 | 75-125 | N | 6010C |
| Arsenic | 175.8 | 10.5 | 179 | 92 | 75-125 | | 6010C |
| Barium | 217.3 | 45.7 | 179 | 96 | 75-125 | | 6010C |
| Beryllium | 4.81 | 0.44 | 4.47 | 98 | 75-125 | | 6010C |
| Cadmium | 4.24 | 0.70 U | 4.47 | 95 | 75-125 | | 6010C |
| Calcium | 2910 | 1310 | 1790 | 89 | 75-125 | | 6010C |
| Chromium | 33.29 | 15.7 | 17.9 | 98 | 75-125 | | 6010C |
| Cobalt | 48.15 | 4.8 J | 44.7 | 97 | 75-125 | | 6010C |
| Copper | 33.43 | 14.5 | 22.4 | 85 | 75-125 | | 6010C |
| Iron | 17040 | 15200 | 89.4 | 2044 | 75-125 | 4 | 6010C |
| Lead | 92.64 | 57.2 | 44.7 | 79 | 75-125 | | 6010C |
| Magnesium | 3187 | 1490 | 1790 | 95 | 75-125 | | 6010C |
| Manganese | 264.9 | 246 | 44.7 | 42 | 75-125 | 4 | 6010C |
| Nickel | 55.14 | 10.7 | 44.7 | 99 | 75-125 | | 6010C |
| Potassium | 2030 | 444 J | 1790 | 89 | 75-125 | | 6010C |
| Selenium | 163.4 | 3.5 U | 179 | 91 | 75-125 | | 6010C |
| Silver | 4.15 | 1.7 U | 4.47 | 93 | 75-125 | | 6010C |
| Sodium | 1735 | 873 U | 1790 | 97 | 75-125 | | 6010C |
| Thallium | 177.1 | 3.5 U | 179 | 99 | 75-125 | | 6010C |
| Vanadium | 63.75 | 26.3 | 44.7 | 84 | 75-125 | | 6010C |
| Zinc | 80.13 | 38.0 | 44.7 | 94 | 75-125 | | 6010C |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: B4 MS

Lab ID: 460-111850-3 MS

Lab Name: TestAmerica Edison

Job No.: 460-111850-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 93.8

| Analyte | SSR C | Sample Result (SR) C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|-----------|----------|----------------------------|---------------------|------|------------------------|---|--------|
| Aluminum | 8208 | 5920 | 201 | 1135 | 75-125 | 4 | 6010C |
| Antimony | 32.71 | 4.1 U | 50.3 | 65 | 75-125 | N | 6010C |
| Arsenic | 202.4 | 8.7 | 201 | 96 | 75-125 | | 6010C |
| Barium | 230.3 | 26.4 J | 201 | 101 | 75-125 | | 6010C |
| Beryllium | 5.73 | 0.41 U | 5.03 | 114 | 75-125 | | 6010C |
| Cadmium | 4.88 | 0.81 U | 5.03 | 97 | 75-125 | | 6010C |
| Calcium | 2611 | 506 J | 2010 | 105 | 75-125 | | 6010C |
| Chromium | 39.63 | 9.8 | 20.1 | 148 | 75-125 | N | 6010C |
| Cobalt | 54.92 | 3.0 J | 50.3 | 103 | 75-125 | | 6010C |
| Copper | 37.96 | 11.6 | 25.1 | 105 | 75-125 | | 6010C |
| Iron | 11660 | 10500 | 101 | 1135 | 75-125 | 4 | 6010C |
| Lead | 70.79 | 19.4 | 50.3 | 102 | 75-125 | | 6010C |
| Magnesium | 3714 | 858 J | 2010 | 142 | 75-125 | N | 6010C |
| Manganese | 241.4 | 174 | 50.3 | 135 | 75-125 | N | 6010C |
| Nickel | 65.50 | 7.6 J | 50.3 | 115 | 75-125 | | 6010C |
| Potassium | 2368 | 255 J | 2010 | 105 | 75-125 | | 6010C |
| Selenium | 192.0 | 4.1 U | 201 | 95 | 75-125 | | 6010C |
| Silver | 4.88 | 2.0 U | 5.03 | 97 | 75-125 | | 6010C |
| Sodium | 2104 | 1020 U | 2010 | 105 | 75-125 | | 6010C |
| Thallium | 203.4 | 4.1 U | 201 | 101 | 75-125 | | 6010C |
| Vanadium | 67.37 | 12.3 | 50.3 | 109 | 75-125 | | 6010C |
| Zinc | 83.12 | 29.4 | 50.3 | 107 | 75-125 | | 6010C |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: A4 PDS

Lab ID: 460-111850-1 PDS

Lab Name: TestAmerica Edison

Job No.: 460-111850-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

| Analyte | SSR C | Sample Result (SR) C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|-----------|----------|----------------------------|---------------------|-----|------------------------|---|--------|
| Aluminum | 11510 | 11200 | 349 | NC | 80-120 | | 6010C |
| Antimony | 81.60 | 3.5 U | 87.3 | 93 | 80-120 | | 6010C |
| Arsenic | 340.6 | 10.5 | 349 | 95 | 80-120 | | 6010C |
| Barium | 388.1 | 45.7 | 349 | 98 | 80-120 | | 6010C |
| Beryllium | 9.12 | 0.44 | 8.73 | 100 | 80-120 | | 6010C |
| Cadmium | 8.39 | 0.70 U | 8.73 | 96 | 80-120 | | 6010C |
| Calcium | 4652 | 1310 | 3490 | 96 | 80-120 | | 6010C |
| Chromium | 50.82 | 15.7 | 34.9 | 101 | 80-120 | | 6010C |
| Cobalt | 90.31 | 4.8 J | 87.3 | 98 | 80-120 | | 6010C |
| Copper | 56.93 | 14.5 | 43.6 | 97 | 80-120 | | 6010C |
| Iron | 15240 | 15200 | 175 | NC | 80-120 | | 6010C |
| Lead | 140.6 | 57.2 | 87.3 | 96 | 80-120 | | 6010C |
| Magnesium | 4768 | 1490 | 3490 | 94 | 80-120 | | 6010C |
| Manganese | 331.7 | 246 | 87.3 | 98 | 80-120 | | 6010C |
| Nickel | 97.60 | 10.7 | 87.3 | 100 | 80-120 | | 6010C |
| Potassium | 3465 | 444 J | 3490 | 87 | 80-120 | | 6010C |
| Selenium | 324.7 | 3.5 U | 349 | 93 | 80-120 | | 6010C |
| Silver | 8.98 | 1.7 U | 8.73 | 103 | 80-120 | | 6010C |
| Sodium | 3375 | 873 U | 3490 | 97 | 80-120 | | 6010C |
| Thallium | 346.4 | 3.5 U | 349 | 99 | 80-120 | | 6010C |
| Vanadium | 111.4 | 26.3 | 87.3 | 98 | 80-120 | | 6010C |
| Zinc | 122.1 | 38.0 | 87.3 | 96 | 80-120 | | 6010C |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: B4 PDS

Lab ID: 460-111850-3 PDS

Lab Name: TestAmerica Edison

Job No.: 460-111850-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

| Analyte | SSR C | Sample Result (SR) C | Spike Added (SA) | %R | Control Limit %R | Q | Method |
|-----------|----------|----------------------------|---------------------|-----|------------------------|---|--------|
| Aluminum | 6373 | 5920 | 406 | NC | 80-120 | | 6010C |
| Antimony | 99.45 | 4.1 U | 102 | 98 | 80-120 | | 6010C |
| Arsenic | 402.9 | 8.7 | 406 | 97 | 80-120 | | 6010C |
| Barium | 428.3 | 26.4 J | 406 | 99 | 80-120 | | 6010C |
| Beryllium | 11.20 | 0.41 U | 10.2 | 110 | 80-120 | | 6010C |
| Cadmium | 9.90 | 0.81 U | 10.2 | 97 | 80-120 | | 6010C |
| Calcium | 4584 | 506 J | 4060 | 100 | 80-120 | | 6010C |
| Chromium | 53.47 | 9.8 | 40.6 | 108 | 80-120 | | 6010C |
| Cobalt | 104.3 | 3.0 J | 102 | 100 | 80-120 | | 6010C |
| Copper | 62.69 | 11.6 | 50.8 | 101 | 80-120 | | 6010C |
| Iron | 10620 | 10500 | 203 | NC | 80-120 | | 6010C |
| Lead | 120.1 | 19.4 | 102 | 99 | 80-120 | | 6010C |
| Magnesium | 4888 | 858 J | 4060 | 99 | 80-120 | | 6010C |
| Manganese | 279.2 | 174 | 102 | 104 | 80-120 | | 6010C |
| Nickel | 110.2 | 7.6 J | 102 | 101 | 80-120 | | 6010C |
| Potassium | 3966 | 255 J | 4060 | 91 | 80-120 | | 6010C |
| Selenium | 380.8 | 4.1 U | 406 | 94 | 80-120 | | 6010C |
| Silver | 10.75 | 2.0 U | 10.2 | 106 | 80-120 | | 6010C |
| Sodium | 4178 | 1020 U | 4060 | 103 | 80-120 | | 6010C |
| Thallium | 404.1 | 4.1 U | 406 | 99 | 80-120 | | 6010C |
| Vanadium | 115.8 | 12.3 | 102 | 102 | 80-120 | | 6010C |
| Zinc | 129.9 | 29.4 | 102 | 99 | 80-120 | | 6010C |

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

6-IN
DUPLICATES
METALS

Client ID: A4 DU

Lab ID: 460-111850-1 DU

Lab Name: TestAmerica Edison

Job No.: 460-111850-1

SDG No.:

% Solids for Sample: 91.7

% Solids for Duplicate: 91.7

Matrix: Solid

Concentration Units: mg/Kg

| Analyte | Control Limit | Sample (S) C | Duplicate (D) C | RPD | Q | Method |
|-----------|---------------|-----------------|--------------------|-----|---|--------|
| Aluminum | 33.6 | 11200 | 11820 | 6 | | 6010C |
| Antimony | 3.4 | 3.5 U | 3.4 U | NC | | 6010C |
| Arsenic | 2.5 | 10.5 | 10.25 | 2 | | 6010C |
| Barium | 33.6 | 45.7 | 46.61 | 2 | | 6010C |
| Beryllium | 0.34 | 0.44 | 0.429 | 2 | | 6010C |
| Cadmium | 0.67 | 0.70 U | 0.67 U | NC | | 6010C |
| Calcium | 839 | 1310 | 1449 | 10 | | 6010C |
| Chromium | 1.7 | 15.7 | 16.48 | 5 | | 6010C |
| Cobalt | 8.4 | 4.8 J | 4.57 J | 4 | | 6010C |
| Copper | 4.2 | 14.5 | 14.12 | 2 | | 6010C |
| Iron | 25.2 | 15200 | 15120 | 0.6 | | 6010C |
| Lead | 1.7 | 57.2 | 46.09 | 21 | * | 6010C |
| Magnesium | 839 | 1490 | 2436 | 48 | * | 6010C |
| Manganese | 2.5 | 246 | 245.1 | 0.4 | | 6010C |
| Nickel | 6.7 | 10.7 | 12.99 | 19 | | 6010C |
| Potassium | 839 | 444 J | 437.3 J | 2 | | 6010C |
| Selenium | 3.4 | 3.5 U | 3.4 U | NC | | 6010C |
| Silver | 1.7 | 1.7 U | 1.7 U | NC | | 6010C |
| Sodium | 839 | 873 U | 839 U | NC | | 6010C |
| Thallium | 3.4 | 3.5 U | 3.4 U | NC | | 6010C |
| Vanadium | 8.4 | 26.3 | 21.10 | 22 | | 6010C |
| Zinc | 5.0 | 38.0 | 39.08 | 3 | | 6010C |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: B4 DU

Lab ID: 460-111850-3 DU

Lab Name: TestAmerica Edison

Job No.: 460-111850-1

SDG No.:

% Solids for Sample: 93.8

% Solids for Duplicate: 93.8

Matrix: Solid

Concentration Units: mg/Kg

| Analyte | Control Limit | Sample (S) C | Duplicate (D) C | RPD | Q | Method |
|-----------|---------------|-----------------|--------------------|-----|---|--------|
| Aluminum | 40.6 | 5920 | 5453 | 8 | | 6010C |
| Antimony | 4.1 | 4.1 U | 4.1 U | NC | | 6010C |
| Arsenic | 3.0 | 8.7 | 6.61 | 27 | | 6010C |
| Barium | 40.6 | 26.4 J | 20.67 J | 24 | | 6010C |
| Beryllium | 0.41 | 0.41 U | 0.41 U | NC | | 6010C |
| Cadmium | 0.81 | 0.81 U | 0.81 U | NC | | 6010C |
| Calcium | 1020 | 506 J | 473.6 J | 7 | | 6010C |
| Chromium | 2.0 | 9.8 | 9.11 | 7 | | 6010C |
| Cobalt | 10.2 | 3.0 J | 2.91 J | 1 | | 6010C |
| Copper | 5.1 | 11.6 | 10.34 | 11 | | 6010C |
| Iron | 30.5 | 10500 | 9768 | 7 | | 6010C |
| Lead | 2.0 | 19.4 | 18.45 | 5 | | 6010C |
| Magnesium | 1020 | 858 J | 806.1 J | 6 | | 6010C |
| Manganese | 3.0 | 174 | 178.5 | 3 | | 6010C |
| Nickel | 8.1 | 7.6 J | 8.14 | 7 | | 6010C |
| Potassium | 1020 | 255 J | 246.8 J | 3 | | 6010C |
| Selenium | 4.1 | 4.1 U | 4.1 U | NC | | 6010C |
| Silver | 2.0 | 2.0 U | 2.0 U | NC | | 6010C |
| Sodium | 1020 | 1020 U | 1020 U | NC | | 6010C |
| Thallium | 4.1 | 4.1 U | 4.1 U | NC | | 6010C |
| Vanadium | 10.2 | 12.3 | 10.82 | 13 | | 6010C |
| Zinc | 6.1 | 29.4 | 27.42 | 7 | | 6010C |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-361679/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-111850-1

Sample Matrix: Solid

LCS Source: ME_LCSS_91_00001

| Analyte | Solid (mg/Kg) | | | | | | | |
|-----------|---------------|-------|---|-------|--------|-------|---|--------|
| | True | Found | C | %R | Limits | | Q | Method |
| Aluminum | 8080 | 7040 | | 87.1 | 51.1 | 148.5 | | 6010C |
| Antimony | 123 | 61.74 | | 50.2 | 1.0 | 200.0 | | 6010C |
| Arsenic | 145 | 137.7 | | 95.0 | 79.3 | 121.4 | | 6010C |
| Barium | 209 | 204.0 | | 97.6 | 83.3 | 117.2 | | 6010C |
| Beryllium | 97.3 | 95.22 | | 97.9 | 82.6 | 117.2 | | 6010C |
| Cadmium | 87.6 | 86.96 | | 99.3 | 82.6 | 117.6 | | 6010C |
| Calcium | 5690 | 5428 | | 95.4 | 81.0 | 118.8 | | 6010C |
| Chromium | 143 | 143.7 | | 100.5 | 79.7 | 119.6 | | 6010C |
| Cobalt | 154 | 155.3 | | 100.8 | 83.8 | 115.6 | | 6010C |
| Copper | 173 | 167.2 | | 96.6 | 81.5 | 117.9 | | 6010C |
| Iron | 15000 | 14010 | | 93.4 | 46.8 | 154.0 | | 6010C |
| Lead | 146 | 146.4 | | 100.3 | 81.5 | 118.5 | | 6010C |
| Magnesium | 2640 | 2452 | | 92.9 | 76.5 | 123.5 | | 6010C |
| Manganese | 309 | 304.8 | | 98.6 | 81.6 | 118.8 | | 6010C |
| Nickel | 129 | 134.5 | | 104.2 | 82.9 | 117.1 | | 6010C |
| Potassium | 2400 | 2124 | | 88.5 | 71.7 | 128.3 | | 6010C |
| Selenium | 178 | 167.6 | | 94.2 | 78.7 | 121.3 | | 6010C |
| Silver | 31.3 | 28.76 | | 91.9 | 75.1 | 124.9 | | 6010C |
| Sodium | 869 | 801.6 | J | 92.2 | 72.7 | 126.6 | | 6010C |
| Thallium | 141 | 145.9 | | 103.5 | 79.4 | 121.3 | | 6010C |
| Vanadium | 115 | 109.3 | | 95.1 | 77.6 | 122.6 | | 6010C |
| Zinc | 194 | 192.5 | | 99.2 | 82.0 | 118.0 | | 6010C |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-361839/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-111850-1

Sample Matrix: Solid

LCS Source: ME_LCSS_91_00001

| Analyte | Solid (mg/Kg) | | | | | | | |
|-----------|---------------|-------|---|-------|--------|-------|---|--------|
| | True | Found | C | %R | Limits | | Q | Method |
| Aluminum | 8080 | 7319 | | 90.6 | 51.1 | 148.5 | | 6010C |
| Antimony | 123 | 79.13 | | 64.3 | 1.0 | 200.0 | | 6010C |
| Arsenic | 145 | 138.2 | | 95.3 | 79.3 | 121.4 | | 6010C |
| Barium | 209 | 200.2 | | 95.8 | 83.3 | 117.2 | | 6010C |
| Beryllium | 97.3 | 98.95 | | 101.7 | 82.6 | 117.2 | | 6010C |
| Cadmium | 87.6 | 86.36 | | 98.6 | 82.6 | 117.6 | | 6010C |
| Calcium | 5690 | 5503 | | 96.7 | 81.0 | 118.8 | | 6010C |
| Chromium | 143 | 146.1 | | 102.1 | 79.7 | 119.6 | | 6010C |
| Cobalt | 154 | 158.2 | | 102.7 | 83.8 | 115.6 | | 6010C |
| Copper | 173 | 168.0 | | 97.1 | 81.5 | 117.9 | | 6010C |
| Iron | 15000 | 14250 | | 95.0 | 46.8 | 154.0 | | 6010C |
| Lead | 146 | 147.0 | | 100.7 | 81.5 | 118.5 | | 6010C |
| Magnesium | 2640 | 2505 | | 94.9 | 76.5 | 123.5 | | 6010C |
| Manganese | 309 | 317.6 | | 102.8 | 81.6 | 118.8 | | 6010C |
| Nickel | 129 | 135.9 | | 105.3 | 82.9 | 117.1 | | 6010C |
| Potassium | 2400 | 2190 | | 91.3 | 71.7 | 128.3 | | 6010C |
| Selenium | 178 | 165.6 | | 93.0 | 78.7 | 121.3 | | 6010C |
| Silver | 31.3 | 29.09 | | 92.9 | 75.1 | 124.9 | | 6010C |
| Sodium | 869 | 868.5 | J | 99.9 | 72.7 | 126.6 | | 6010C |
| Thallium | 141 | 146.1 | | 103.6 | 79.4 | 121.3 | | 6010C |
| Vanadium | 115 | 111.6 | | 97.0 | 77.6 | 122.6 | | 6010C |
| Zinc | 194 | 190.1 | | 98.0 | 82.0 | 118.0 | | 6010C |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-111850-1

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-111850-1

Matrix: Solid

Concentration Units: mg/Kg

| Analyte | Initial Sample Result (I) C | | Serial Dilution Result (S) C | | % Difference | Q | Method |
|-----------|--------------------------------|---|------------------------------------|---|-----------------|---|--------|
| Aluminum | 11200 | | 11330 | | 1.3 | | 6010C |
| Antimony | 3.5 | U | 17.5 | U | NC | | 6010C |
| Arsenic | 10.5 | | 10.10 | J | NC | | 6010C |
| Barium | 45.7 | | 45.75 | J | NC | | 6010C |
| Beryllium | 0.44 | | 1.7 | U | NC | | 6010C |
| Cadmium | 0.70 | U | 3.5 | U | NC | | 6010C |
| Calcium | 1310 | | 1327 | J | NC | | 6010C |
| Chromium | 15.7 | | 15.35 | | NC | | 6010C |
| Cobalt | 4.8 | J | 43.6 | U | NC | | 6010C |
| Copper | 14.5 | | 13.49 | J | NC | | 6010C |
| Iron | 15200 | | 15680 | | 3.0 | | 6010C |
| Lead | 57.2 | | 58.24 | | NC | | 6010C |
| Magnesium | 1490 | | 1482 | J | NC | | 6010C |
| Manganese | 246 | | 249.2 | | 1.3 | | 6010C |
| Nickel | 10.7 | | 11.02 | J | NC | | 6010C |
| Potassium | 444 | J | 415.7 | J | NC | | 6010C |
| Selenium | 3.5 | U | 17.5 | U | NC | | 6010C |
| Silver | 1.7 | U | 8.7 | U | NC | | 6010C |
| Sodium | 873 | U | 4360 | U | NC | | 6010C |
| Thallium | 3.5 | U | 17.5 | U | NC | | 6010C |
| Vanadium | 26.3 | | 26.08 | J | NC | | 6010C |
| Zinc | 38.0 | | 38.34 | | NC | | 6010C |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-111850-3

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-111850-1

Matrix: Solid

Concentration Units: mg/Kg

| Analyte | Initial Sample Result (I) C | | Serial Dilution Result (S) C | | % Difference | Q | Method |
|-----------|--------------------------------|---|------------------------------------|---|-----------------|---|--------|
| Aluminum | 5920 | | 6006 | | 1.4 | | 6010C |
| Antimony | 4.1 | U | 20.3 | U | NC | | 6010C |
| Arsenic | 8.7 | | 9.57 | J | NC | | 6010C |
| Barium | 26.4 | J | 26.57 | J | NC | | 6010C |
| Beryllium | 0.41 | U | 2.0 | U | NC | | 6010C |
| Cadmium | 0.81 | U | 4.1 | U | NC | | 6010C |
| Calcium | 506 | J | 483.4 | J | NC | | 6010C |
| Chromium | 9.8 | | 9.60 | J | NC | | 6010C |
| Cobalt | 3.0 | J | 50.8 | U | NC | | 6010C |
| Copper | 11.6 | | 12.33 | J | NC | | 6010C |
| Iron | 10500 | | 11130 | | 5.8 | | 6010C |
| Lead | 19.4 | | 19.12 | | NC | | 6010C |
| Magnesium | 858 | J | 875.7 | J | NC | | 6010C |
| Manganese | 174 | | 183.8 | | 5.9 | | 6010C |
| Nickel | 7.6 | J | 7.83 | J | NC | | 6010C |
| Potassium | 255 | J | 255.1 | J | NC | | 6010C |
| Selenium | 4.1 | U | 20.3 | U | NC | | 6010C |
| Silver | 2.0 | U | 10.2 | U | NC | | 6010C |
| Sodium | 1020 | U | 5080 | U | NC | | 6010C |
| Thallium | 4.1 | U | 20.3 | U | NC | | 6010C |
| Vanadium | 12.3 | | 12.45 | J | NC | | 6010C |
| Zinc | 29.4 | | 29.95 | J | NC | | 6010C |

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-111850-1
 SDG Number: _____
 Matrix: Solid Instrument ID: ICP5
 Method: 6010C MDL Date: 05/05/2015 13:01
 Prep Method: 3050B

| Analyte | Wavelength/ Mass | RL (mg/Kg) | MDL (mg/Kg) |
|-----------|---------------------|---------------|----------------|
| Aluminum | | 40 | 20.6 |
| Antimony | | 4 | 1.58 |
| Arsenic | | 3 | 0.983 |
| Barium | | 40 | 1.43 |
| Beryllium | | 0.4 | 0.339 |
| Cadmium | | 0.8 | 0.417 |
| Calcium | | 1000 | 59.2 |
| Chromium | | 2 | 0.967 |
| Cobalt | | 10 | 1.15 |
| Copper | | 5 | 1.3 |
| Iron | | 30 | 22.6 |
| Lead | | 2 | 0.785 |
| Magnesium | | 1000 | 49.9 |
| Manganese | | 3 | 1.05 |
| Nickel | | 8 | 1.46 |
| Potassium | | 1000 | 30.3 |
| Selenium | | 4 | 1.38 |
| Silver | | 2 | 0.353 |
| Sodium | | 1000 | 67.7 |
| Thallium | | 4 | 1.77 |
| Vanadium | | 10 | 1 |
| Zinc | | 6 | 1.46 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-111850-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP5
Method: 6010C XMDL Date: 05/05/2015 12:52

| Analyte | Wavelength/ Mass | XRL (ug/L) | XMDL (ug/L) |
|-----------|---------------------|---------------|----------------|
| Aluminum | | 200 | 69.5 |
| Antimony | | 20 | 4.7 |
| Arsenic | | 15 | 4.41 |
| Barium | | 200 | 5.49 |
| Beryllium | | 2 | 1.8 |
| Cadmium | | 4 | 2.32 |
| Calcium | | 5000 | 317 |
| Chromium | | 10 | 4.5 |
| Cobalt | | 50 | 5.08 |
| Copper | | 25 | 5.02 |
| Iron | | 150 | 65.4 |
| Lead | | 10 | 4.16 |
| Magnesium | | 5000 | 260 |
| Manganese | | 15 | 4.88 |
| Nickel | | 40 | 5.39 |
| Potassium | | 5000 | 122 |
| Selenium | | 20 | 6.76 |
| Silver | | 10 | 1.86 |
| Sodium | | 5000 | 315 |
| Thallium | | 20 | 4.52 |
| Vanadium | | 50 | 4.37 |
| Zinc | | 30 | 5.9 |

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Prep Method: 3050B

| Lab Sample ID | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|-----------------------------|---------------------|---------------|--------------------------|-------------------|-------------------------|
| MB 460-361679/1-A ^2 | 04/09/2016 20:17 | 361679 | 1.00 | | 50 |
| LCSSRM 460-361679/2-A ^4 | 04/09/2016 20:17 | 361679 | 1.00 | | 50 |
| 460-111850-1 | 04/09/2016 20:17 | 361679 | 1.25 | | 50 |
| 460-111850-1 DU | 04/09/2016 20:17 | 361679 | 1.30 | | 50 |
| 460-111850-1 MS | 04/09/2016 20:17 | 361679 | 1.22 | | 50 |
| 460-111850-2 | 04/09/2016 20:17 | 361679 | 1.25 | | 50 |

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Prep Method: 3050B

| Lab Sample ID | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|-----------------------------|---------------------|---------------|--------------------------|-------------------|-------------------------|
| MB 460-361839/1-A ^2 | 04/11/2016 07:48 | 361839 | 1.00 | | 50 |
| LCSSRM 460-361839/2-A ^4 | 04/11/2016 07:48 | 361839 | 1.01 | | 50 |
| 460-111850-3 | 04/11/2016 07:48 | 361839 | 1.05 | | 50 |
| 460-111850-3 DU | 04/11/2016 07:48 | 361839 | 1.05 | | 50 |
| 460-111850-3 MS | 04/11/2016 07:48 | 361839 | 1.06 | | 50 |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A g | A l | A s | B a | B e | C a | C d | C o | C r | C u | F e | K | M g | M n | N a | N i | P b | S b | S e | T l |
| ICIS 460-361771/1 | 1 | | 14:01 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | | | 14:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:08 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:19 | | | | | | | | | | | | | | | | | | | | |
| ICV 460-361771/7 | 1 | | 14:23 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ICB 460-361771/8 | 1 | | 14:27 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ICVL 460-361771/9 | 1 | | 14:31 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ICSA 460-361771/10 | 1 | | 14:35 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ICSAB 460-361771/11 | 1 | | 14:39 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | | | 14:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:09 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361771/20 | | | 15:13 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361771/21 | | | 15:16 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361771/22 | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:58 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361771/33 | | | 16:01 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361771/34 | | | 16:05 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361771/35 | | | 16:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:31 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:35 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|--------------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A g | A l | A s | B a | B e | C a | C d | C o | C r | C u | F e | K | M g | M n | N a | N i | P b | S b | S e | T l |
| ZZZZZZ | | | 16:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:46 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361771/46 | 1 | | 16:50 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CCB 460-361771/47 | 1 | | 16:54 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CCVL 460-361771/48 | 1 | | 16:58 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| ZZZZZZ | | | 17:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:32 | | | | | | | | | | | | | | | | | | | | |
| 460-111850-1 PDS | 4 | T | 17:35 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CCV 460-361771/59 | 1 | | 17:39 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CCB 460-361771/60 | 1 | | 17:42 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CCVL 460-361771/61 | 1 | | 17:46 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 460-111850-1 MS | 4 | T | 17:50 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 460-111850-1 DU | 4 | T | 17:54 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 460-111850-1 | 4 | T | 17:58 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 460-111850-1 SD | 20 | T | 18:01 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| MB 460-361679/1-A ^2 | 2 | T | 18:05 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| LCSSRM 460-361679/2-A ^4 | 4 | T | 18:09 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| ZZZZZZ | | | 18:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:16 | | | | | | | | | | | | | | | | | | | | |
| 460-111850-2 | 4 | T | 18:20 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| ZZZZZZ | | | 18:24 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361771/72 | 1 | | 18:27 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CCB 460-361771/73 | 1 | | 18:31 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CCVL 460-361771/74 | 1 | | 18:35 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| ZZZZZZ | | | 18:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:09 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|
| | | | | A g | A l | A s | B a | B e | C a | C d | C o | C r | C u | F e | K | M g | M n | N a | N i | P b | S b | S e |
| ZZZZZZ | | | 19:13 | | | | | | | | | | | | | | | | | | | |
| CCV 460-361771/85 | | | 19:16 | | | | | | | | | | | | | | | | | | | |
| CCB 460-361771/86 | | | 19:20 | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361771/87 | | | 19:24 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:28 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:31 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:35 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:39 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:43 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:46 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:50 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:54 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:57 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:01 | | | | | | | | | | | | | | | | | | | |
| CCV 460-361771/98 | | | 20:05 | | | | | | | | | | | | | | | | | | | |
| CCB 460-361771/99 | | | 20:08 | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361771/100 | | | 20:12 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:16 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:20 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:24 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:28 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:31 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:35 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:39 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:43 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:47 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:51 | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | V | Z n | | | | | | | | | | | | | | | | |
| ICIS 460-361771/1 | 1 | | 14:01 | X | X | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:04 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:08 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:12 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:19 | | | | | | | | | | | | | | | | | | |
| ICV 460-361771/7 | 1 | | 14:23 | X | X | | | | | | | | | | | | | | | | |
| ICB 460-361771/8 | 1 | | 14:27 | X | X | | | | | | | | | | | | | | | | |
| ICVL 460-361771/9 | 1 | | 14:31 | X | X | | | | | | | | | | | | | | | | |
| ICSA 460-361771/10 | 1 | | 14:35 | X | X | | | | | | | | | | | | | | | | |
| ICSAB 460-361771/11 | 1 | | 14:39 | X | X | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:43 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:47 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:51 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:54 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:58 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:02 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:05 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:09 | | | | | | | | | | | | | | | | | | |
| CCV 460-361771/20 | | | 15:13 | | | | | | | | | | | | | | | | | | |
| CCB 460-361771/21 | | | 15:16 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361771/22 | | | 15:20 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:24 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:28 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:32 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:36 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:39 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:43 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:47 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:54 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:58 | | | | | | | | | | | | | | | | | | |
| CCV 460-361771/33 | | | 16:01 | | | | | | | | | | | | | | | | | | |
| CCB 460-361771/34 | | | 16:05 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361771/35 | | | 16:09 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:13 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:20 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:24 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:28 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:31 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:35 | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | |
|--------------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | V | Z n | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:39 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:43 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:46 | | | | | | | | | | | | | | | | |
| CCV 460-361771/46 | 1 | | 16:50 | X | X | | | | | | | | | | | | | | |
| CCB 460-361771/47 | 1 | | 16:54 | X | X | | | | | | | | | | | | | | |
| CCVL 460-361771/48 | 1 | | 16:58 | X | X | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:01 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:05 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:09 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:13 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:16 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:20 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:24 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:28 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:32 | | | | | | | | | | | | | | | | |
| 460-111850-1 PDS | 4 | T | 17:35 | X | X | | | | | | | | | | | | | | |
| CCV 460-361771/59 | 1 | | 17:39 | X | X | | | | | | | | | | | | | | |
| CCB 460-361771/60 | 1 | | 17:42 | X | X | | | | | | | | | | | | | | |
| CCVL 460-361771/61 | 1 | | 17:46 | X | X | | | | | | | | | | | | | | |
| 460-111850-1 MS | 4 | T | 17:50 | X | X | | | | | | | | | | | | | | |
| 460-111850-1 DU | 4 | T | 17:54 | X | X | | | | | | | | | | | | | | |
| 460-111850-1 | 4 | T | 17:58 | X | X | | | | | | | | | | | | | | |
| 460-111850-1 SD | 20 | T | 18:01 | X | X | | | | | | | | | | | | | | |
| MB 460-361679/1-A ^2 | 2 | T | 18:05 | X | X | | | | | | | | | | | | | | |
| LCSSRM 460-361679/2-A ^4 | 4 | T | 18:09 | X | X | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:13 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:16 | | | | | | | | | | | | | | | | |
| 460-111850-2 | 4 | T | 18:20 | X | X | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:24 | | | | | | | | | | | | | | | | |
| CCV 460-361771/72 | 1 | | 18:27 | X | X | | | | | | | | | | | | | | |
| CCB 460-361771/73 | 1 | | 18:31 | X | X | | | | | | | | | | | | | | |
| CCVL 460-361771/74 | 1 | | 18:35 | X | X | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:39 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:42 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:46 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:50 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:54 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:58 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:01 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:05 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:09 | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | V | Z n | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:13 | | | | | | | | | | | | | | | | | | |
| CCV 460-361771/85 | | | 19:16 | | | | | | | | | | | | | | | | | | |
| CCB 460-361771/86 | | | 19:20 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361771/87 | | | 19:24 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:28 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:31 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:35 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:39 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:43 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:46 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:54 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:57 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:01 | | | | | | | | | | | | | | | | | | |
| CCV 460-361771/98 | | | 20:05 | | | | | | | | | | | | | | | | | | |
| CCB 460-361771/99 | | | 20:08 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361771/100 | | | 20:12 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:20 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:24 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:28 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:31 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:35 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:39 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:43 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:47 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:51 | | | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/11/2016 13:31 End Date: 04/12/2016 02:20

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A g | A l | A s | B a | B e | C a | C d | C o | C r | C u | F e | K | M g | M n | N a | N i | P b | S b | S e | T l |
| ICIS 460-361922/1 | 1 | | 13:31 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | | | 13:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:50 | | | | | | | | | | | | | | | | | | | | |
| ICV 460-361922/7 | 1 | | 13:53 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ICB 460-361922/8 | 1 | | 13:57 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ICVL 460-361922/9 | 1 | | 14:01 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | | | 14:05 | | | | | | | | | | | | | | | | | | | | |
| ICSA 460-361922/11 | 1 | | 14:10 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ICSAB 460-361922/12 | 1 | | 14:14 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | | | 14:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:21 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/15 | | | 14:25 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/16 | | | 14:29 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/17 | | | 14:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:13 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/28 | | | 15:17 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/29 | | | 15:20 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/30 | | | 15:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:02 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/41 | | | 16:05 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/42 | | | 16:09 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/11/2016 13:31 End Date: 04/12/2016 02:20

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A g | A l | A s | B a | B e | C a | C d | C o | C r | C u | F e | K | M g | M n | N a | N i | P b | S b | S e | T l |
| CCVL 460-361922/43 | | | 16:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:50 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/54 | | | 16:54 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/55 | | | 16:57 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/56 | | | 17:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:39 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/67 | | | 17:43 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/68 | | | 17:47 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/69 | | | 17:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:10 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:21 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:29 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/80 | 1 | | 18:32 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCB 460-361922/81 | 1 | | 18:36 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCVL 460-361922/82 | 1 | | 18:40 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | | | 18:44 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:48 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/11/2016 13:31 End Date: 04/12/2016 02:20

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|--------------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A g | A l | A s | B a | B e | C a | C d | C o | C r | C u | F e | K | M g | M n | N a | N i | P b | S b | S e | T l |
| 460-111850-3 PDS | 4 | T | 18:51 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 460-111850-3 MS | 4 | T | 18:55 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 460-111850-3 DU | 4 | T | 18:59 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 460-111850-3 | 4 | T | 19:02 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 460-111850-3 SD | 20 | T | 19:06 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| MB 460-361839/1-A ^2 | 2 | T | 19:10 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| LCSSRM 460-361839/2-A ^4 | 4 | T | 19:14 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| ZZZZZZ | | | 19:17 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/93 | 1 | | 19:21 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CCB 460-361922/94 | 1 | | 19:25 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CCVL 460-361922/95 | 1 | | 19:29 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| ZZZZZZ | | | 19:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:44 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:55 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:59 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:07 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/106 | | | 20:11 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/107 | | | 20:14 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/108 | | | 20:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:31 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:58 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/119 | | | 21:02 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/120 | | | 21:06 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/121 | | | 21:10 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:21 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:25 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/11/2016 13:31 End Date: 04/12/2016 02:20

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A g | A l | A s | B a | B e | C a | C d | C o | C r | C u | F e | K | M g | M n | N a | N i | P b | S b | S e | T l |
| ZZZZZZZ | | | 21:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 21:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 21:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 21:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 21:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 21:47 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/132 | | | 21:51 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/133 | | | 21:55 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/134 | | | 21:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:10 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:14 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:21 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:36 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/145 | | | 22:40 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/146 | | | 22:43 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/147 | | | 22:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:55 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 22:59 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:10 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:14 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:21 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:25 | | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/158 | | | 23:29 | | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/159 | | | 23:32 | | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/160 | | | 23:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:44 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 23:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZZ | | | 00:02 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/11/2016 13:31 End Date: 04/12/2016 02:20

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|
| | | | | A g | A l | A s | B a | B e | C a | C d | C o | C r | C u | F e | K | M g | M n | N a | N i | P b | S b | S e |
| ZZZZZZ | | | 00:06 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:10 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:13 | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/171 | | | 00:17 | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/172 | | | 00:21 | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/173 | | | 00:25 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:29 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:33 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:37 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:40 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:44 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:49 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:53 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:56 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:00 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:04 | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/184 | | | 01:08 | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/185 | | | 01:12 | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/186 | | | 01:15 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:19 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:23 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:27 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:31 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:35 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:39 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:42 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:46 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:50 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:54 | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/197 | | | 01:58 | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/198 | | | 02:01 | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/199 | | | 02:05 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:09 | | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/201 | | | 02:13 | | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/202 | | | 02:16 | | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/203 | | | 02:20 | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/11/2016 13:31 End Date: 04/12/2016 02:20

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | V | Z n | | | | | | | | | | | | | | | | |
| ICIS 460-361922/1 | 1 | | 13:31 | X | X | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:35 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:39 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:42 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:46 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:50 | | | | | | | | | | | | | | | | | | |
| ICV 460-361922/7 | 1 | | 13:53 | X | X | | | | | | | | | | | | | | | | |
| ICB 460-361922/8 | 1 | | 13:57 | X | X | | | | | | | | | | | | | | | | |
| ICVL 460-361922/9 | 1 | | 14:01 | X | X | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:05 | | | | | | | | | | | | | | | | | | |
| ICSA 460-361922/11 | 1 | | 14:10 | X | X | | | | | | | | | | | | | | | | |
| ICSAB 460-361922/12 | 1 | | 14:14 | X | X | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:17 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:21 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/15 | | | 14:25 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/16 | | | 14:29 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/17 | | | 14:33 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:40 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:43 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:47 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:51 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:54 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:58 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:02 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:06 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:09 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:13 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/28 | | | 15:17 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/29 | | | 15:20 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/30 | | | 15:24 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:28 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:32 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:36 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:39 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:43 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:47 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:51 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:54 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:58 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:02 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/41 | | | 16:05 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/42 | | | 16:09 | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/11/2016 13:31 End Date: 04/12/2016 02:20

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | V | Z n | | | | | | | | | | | | | | | | |
| CCVL 460-361922/43 | | | 16:13 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:17 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:20 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:24 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:28 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:32 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:35 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:39 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:43 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:46 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:50 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/54 | | | 16:54 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/55 | | | 16:57 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/56 | | | 17:01 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:05 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:09 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:13 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:20 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:24 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:28 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:32 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:35 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:39 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/67 | | | 17:43 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/68 | | | 17:47 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/69 | | | 17:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:54 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:58 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:02 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:06 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:10 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:13 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:17 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:21 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:25 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:29 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/80 | 1 | | 18:32 | X | X | | | | | | | | | | | | | | | | |
| CCB 460-361922/81 | 1 | | 18:36 | X | X | | | | | | | | | | | | | | | | |
| CCVL 460-361922/82 | 1 | | 18:40 | X | X | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:44 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:48 | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/11/2016 13:31 End Date: 04/12/2016 02:20

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | |
|--------------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | V | Z n | | | | | | | | | | | | | | | | |
| 460-111850-3 PDS | 4 | T | 18:51 | X | X | | | | | | | | | | | | | | | | |
| 460-111850-3 MS | 4 | T | 18:55 | X | X | | | | | | | | | | | | | | | | |
| 460-111850-3 DU | 4 | T | 18:59 | X | X | | | | | | | | | | | | | | | | |
| 460-111850-3 | 4 | T | 19:02 | X | X | | | | | | | | | | | | | | | | |
| 460-111850-3 SD | 20 | T | 19:06 | X | X | | | | | | | | | | | | | | | | |
| MB 460-361839/1-A ^2 | 2 | T | 19:10 | X | X | | | | | | | | | | | | | | | | |
| LCSSRM 460-361839/2-A ^4 | 4 | T | 19:14 | X | X | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:17 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/93 | 1 | | 19:21 | X | X | | | | | | | | | | | | | | | | |
| CCB 460-361922/94 | 1 | | 19:25 | X | X | | | | | | | | | | | | | | | | |
| CCVL 460-361922/95 | 1 | | 19:29 | X | X | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:32 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:36 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:40 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:44 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:48 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:52 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:55 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:59 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:07 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/106 | | | 20:11 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/107 | | | 20:14 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/108 | | | 20:18 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:24 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:28 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:31 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:35 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:39 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:43 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:47 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:51 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:54 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:58 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/119 | | | 21:02 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/120 | | | 21:06 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/121 | | | 21:10 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:13 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:17 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:21 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:25 | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/11/2016 13:31 End Date: 04/12/2016 02:20

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | V | Z n | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:29 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:33 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:36 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:40 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:43 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:47 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/132 | | | 21:51 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/133 | | | 21:55 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/134 | | | 21:58 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:02 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:06 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:10 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:14 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:17 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:21 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:25 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:29 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:32 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:36 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/145 | | | 22:40 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/146 | | | 22:43 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/147 | | | 22:47 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:51 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:55 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:59 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:02 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:06 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:10 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:14 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:17 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:21 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:25 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/158 | | | 23:29 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/159 | | | 23:32 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/160 | | | 23:36 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:40 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:44 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:47 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:51 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:54 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:58 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:02 | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111850-1

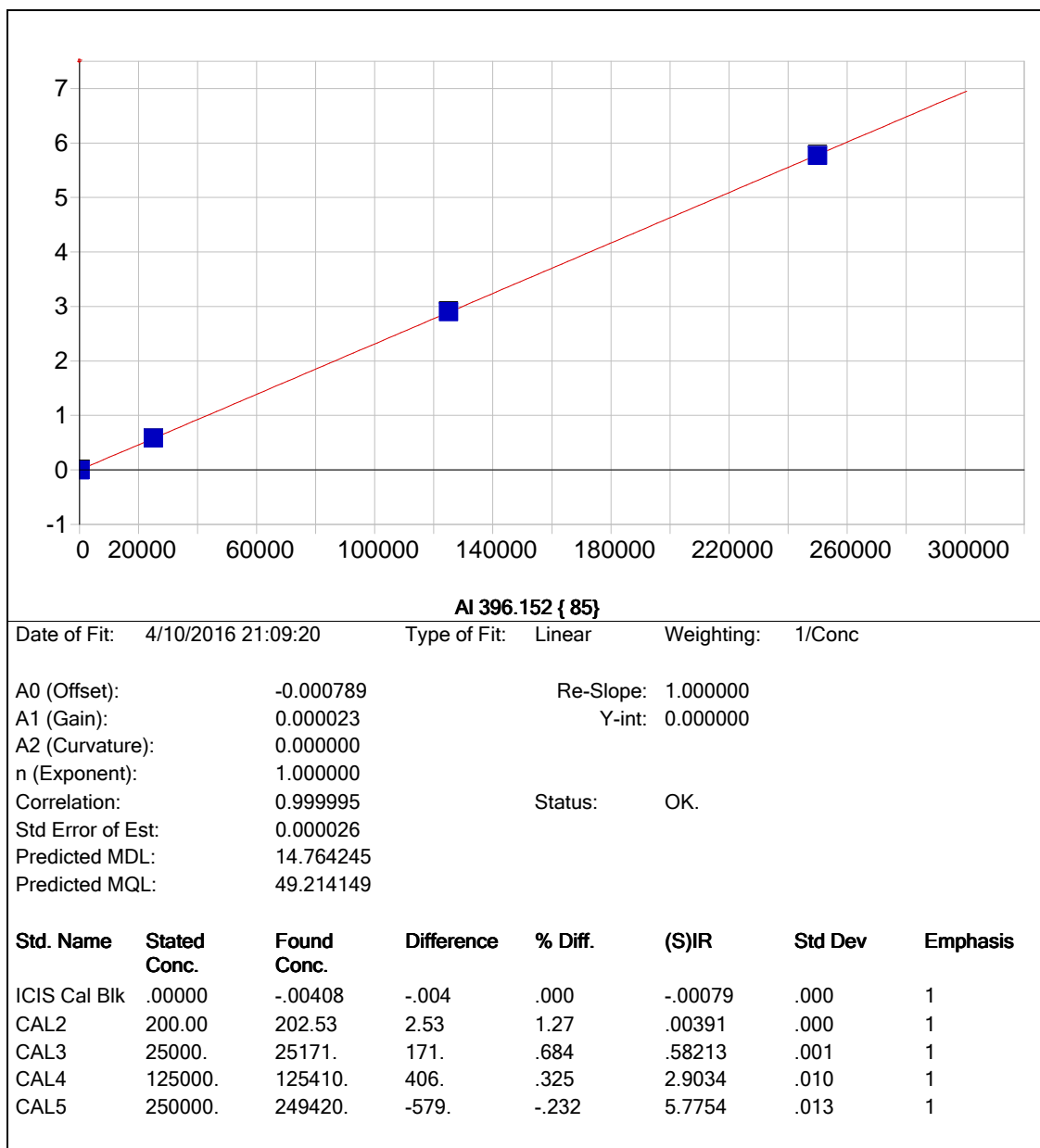
SDG No.: _____

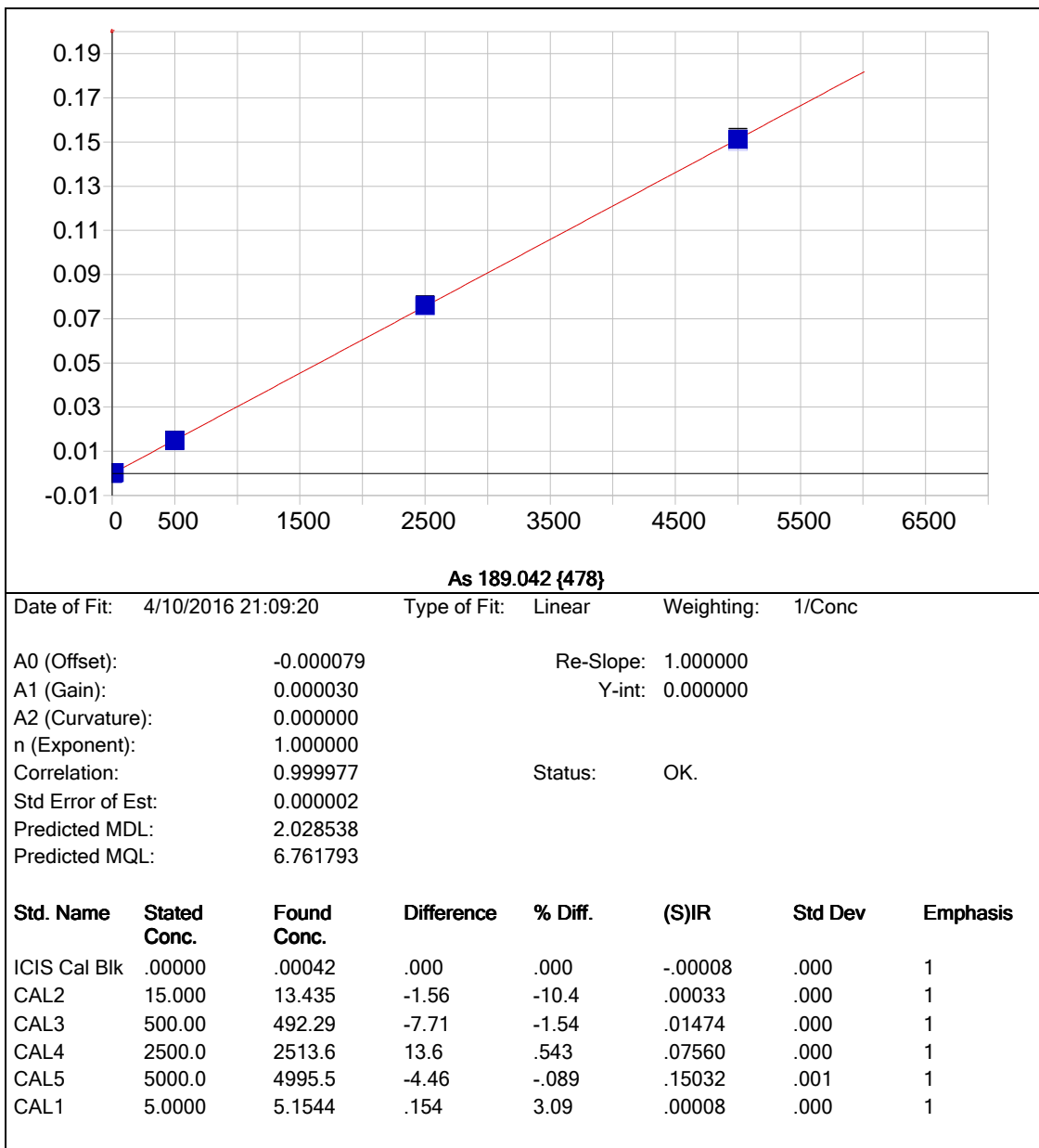
Instrument ID: ICP5 Method: 6010C

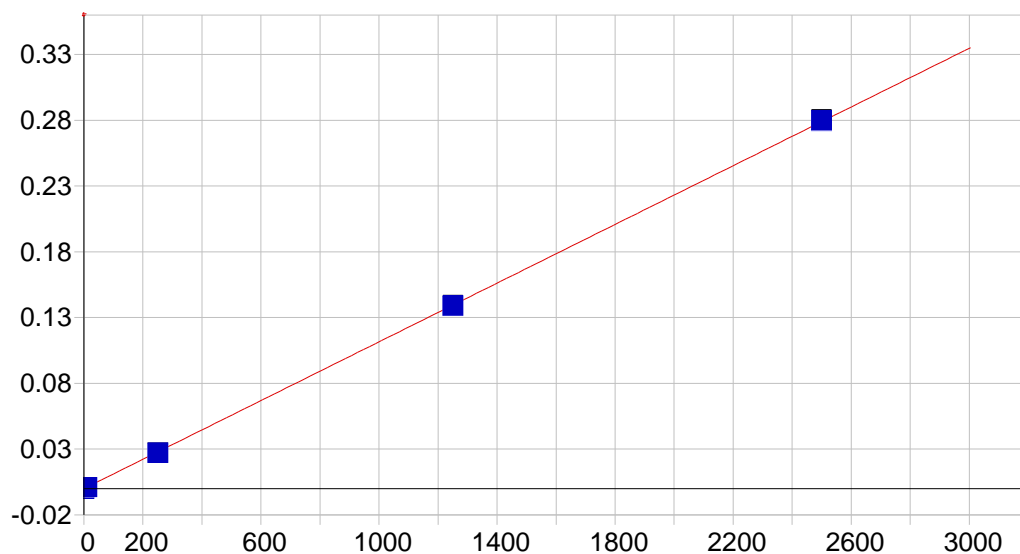
Start Date: 04/11/2016 13:31 End Date: 04/12/2016 02:20

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | V | Z n | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:06 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:10 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:13 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/171 | | | 00:17 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/172 | | | 00:21 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/173 | | | 00:25 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:29 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:33 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:37 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:40 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:44 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:49 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:53 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:56 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:00 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:04 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/184 | | | 01:08 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/185 | | | 01:12 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/186 | | | 01:15 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:19 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:23 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:27 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:31 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:35 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:39 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:42 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:46 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:54 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/197 | | | 01:58 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/198 | | | 02:01 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/199 | | | 02:05 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:09 | | | | | | | | | | | | | | | | | | |
| CCV 460-361922/201 | | | 02:13 | | | | | | | | | | | | | | | | | | |
| CCB 460-361922/202 | | | 02:16 | | | | | | | | | | | | | | | | | | |
| CCVL 460-361922/203 | | | 02:20 | | | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA





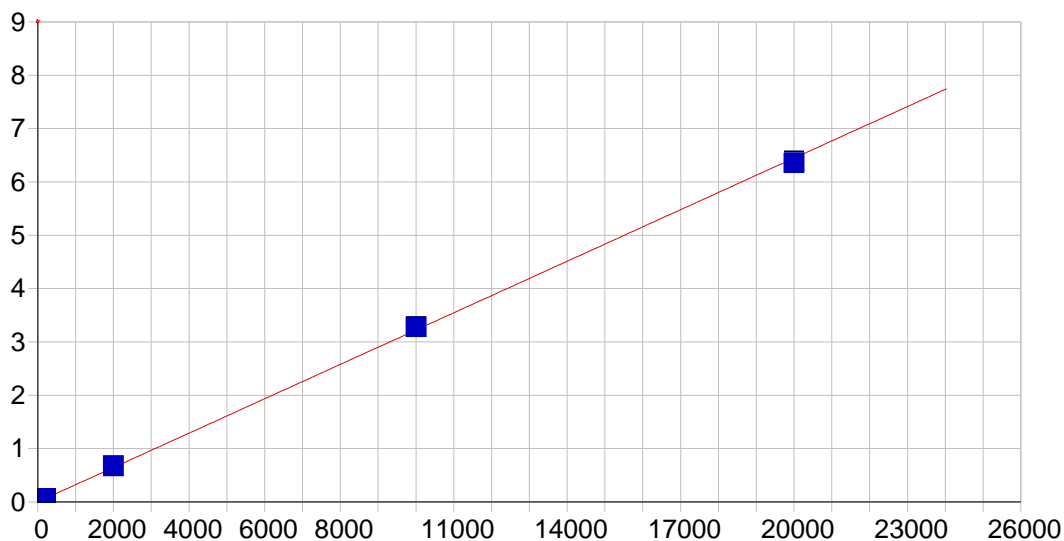


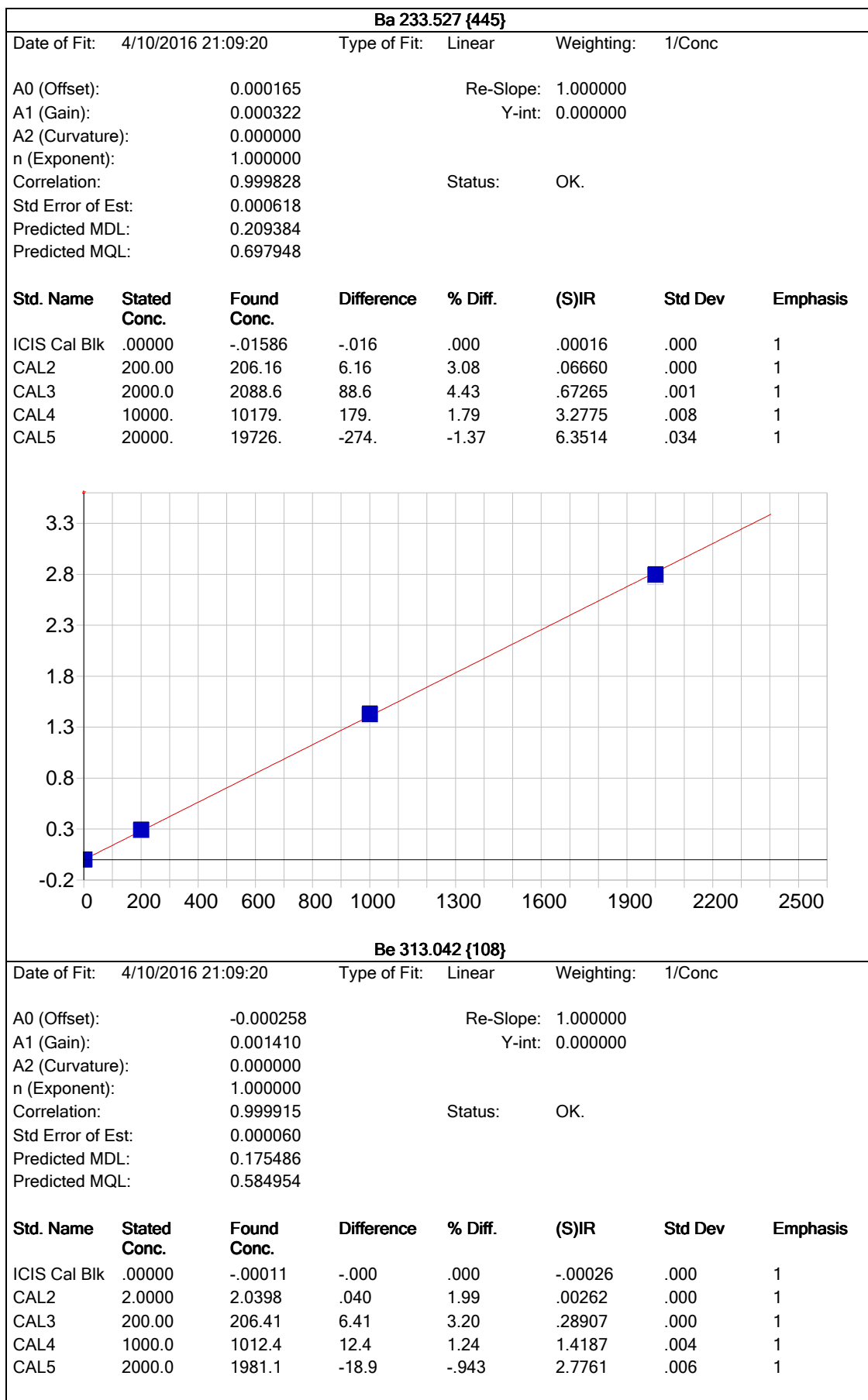
Ag 328.068 {103}

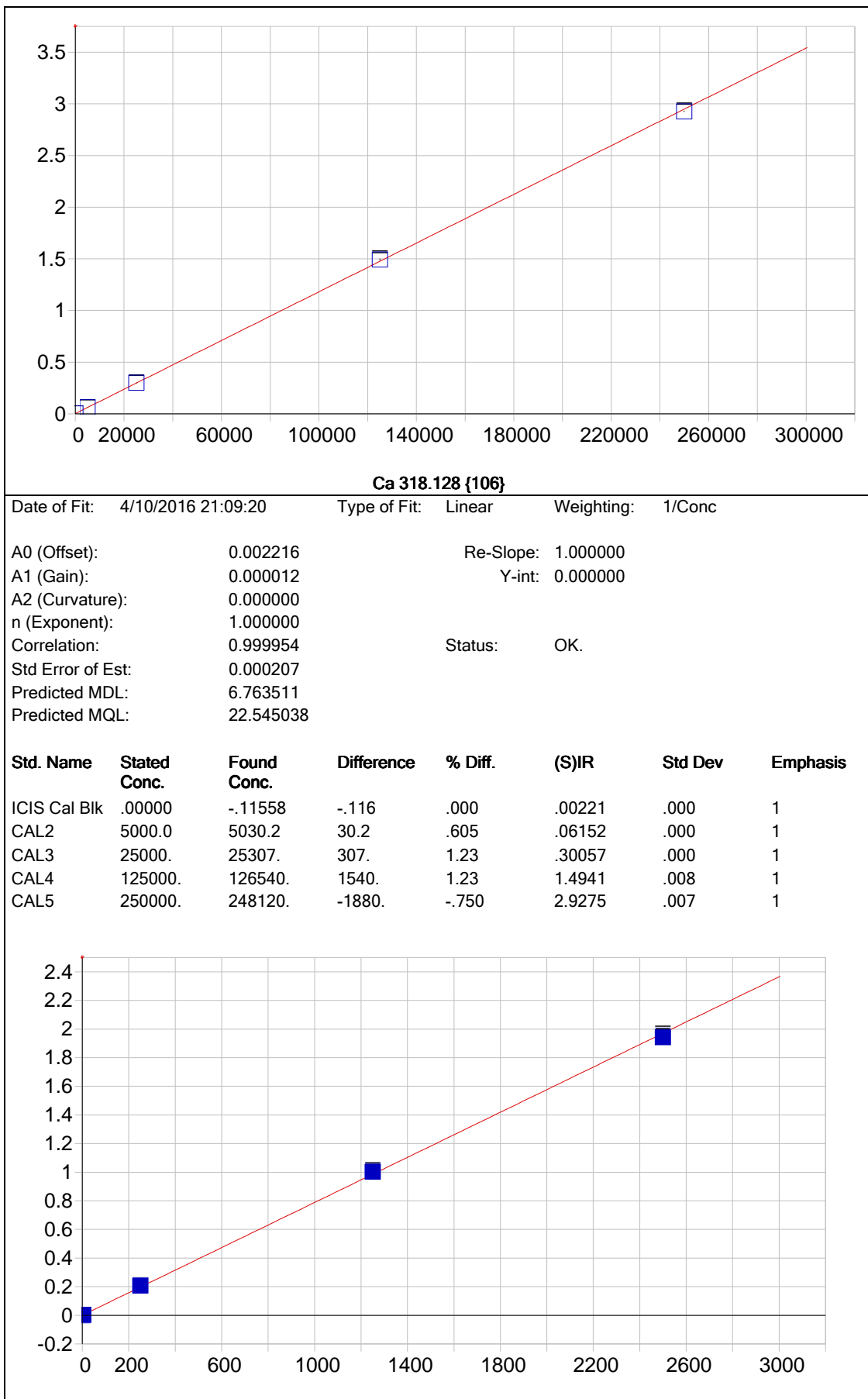
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

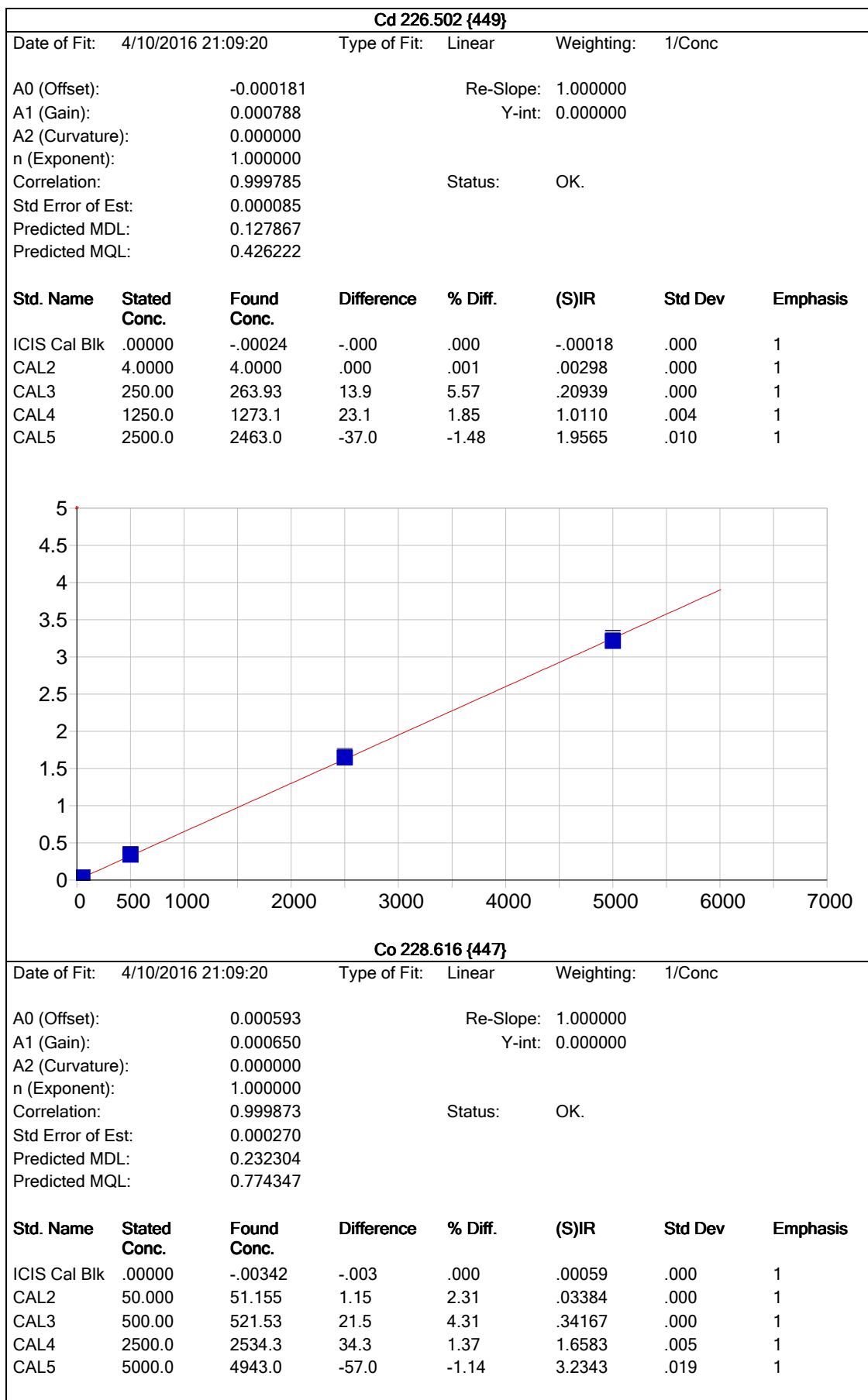
A0 (Offset): -0.000032 Re-Slope: 1.000000
 A1 (Gain): 0.000112 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999977 Status: OK.
 Std Error of Est: 0.000006
 Predicted MDL: 0.648247
 Predicted MQL: 2.160823

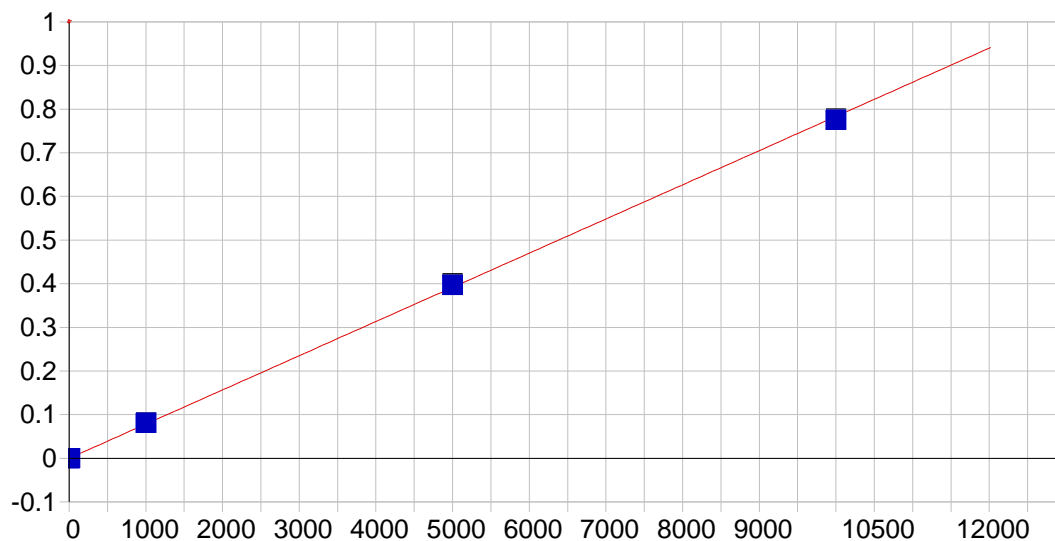
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | .00056 | .001 | .000 | -.00003 | .000 | 1 |
| CAL2 | 10.000 | 9.6546 | -.345 | -3.45 | .00104 | .000 | 1 |
| CAL3 | 250.00 | 244.22 | -5.78 | -2.31 | .02715 | .000 | 1 |
| CAL4 | 1250.0 | 1247.5 | -2.54 | -.203 | .13883 | .000 | 1 |
| CAL5 | 2500.0 | 2508.7 | 8.66 | .346 | .27923 | .001 | 1 |









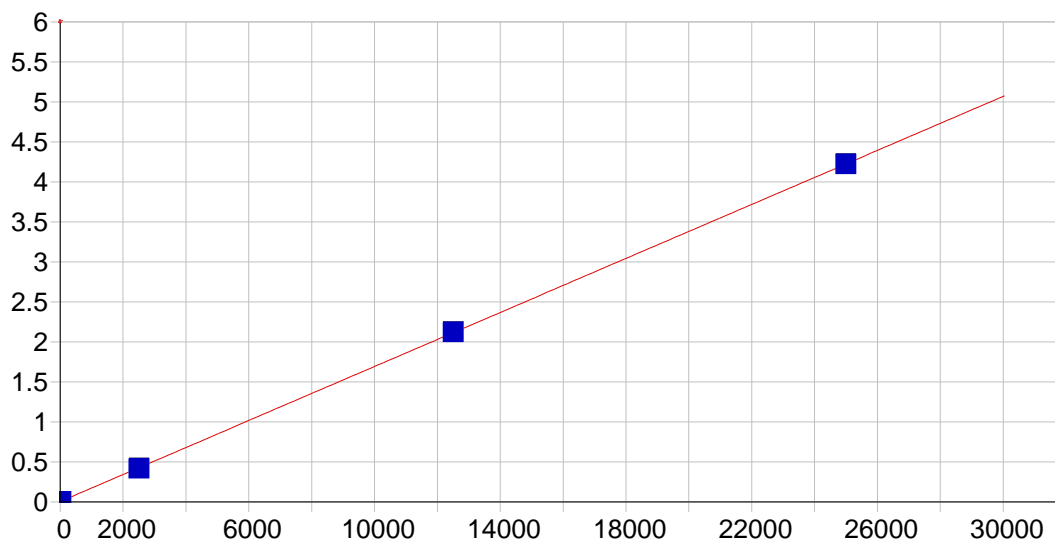


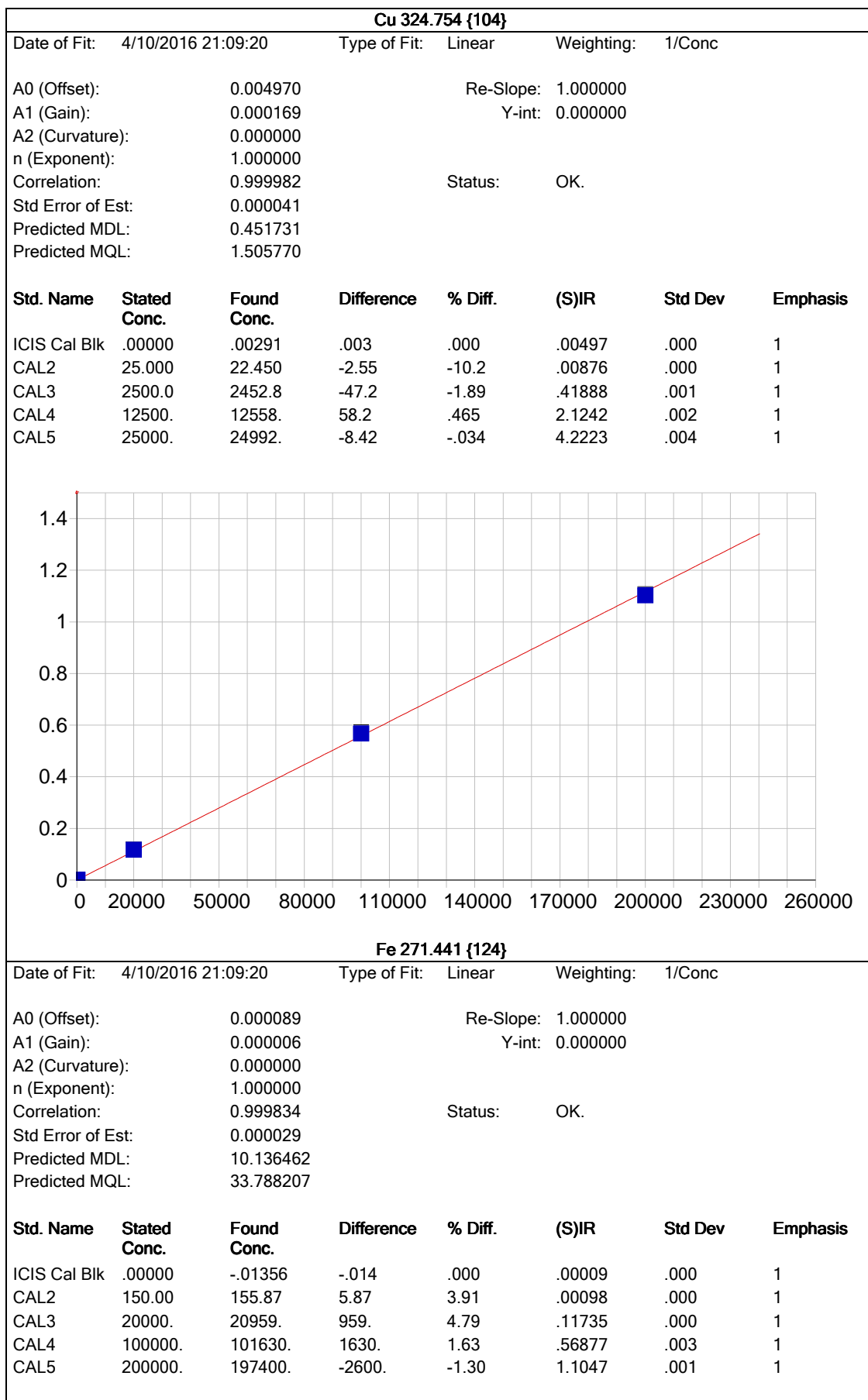
Cr 267.716 {126}

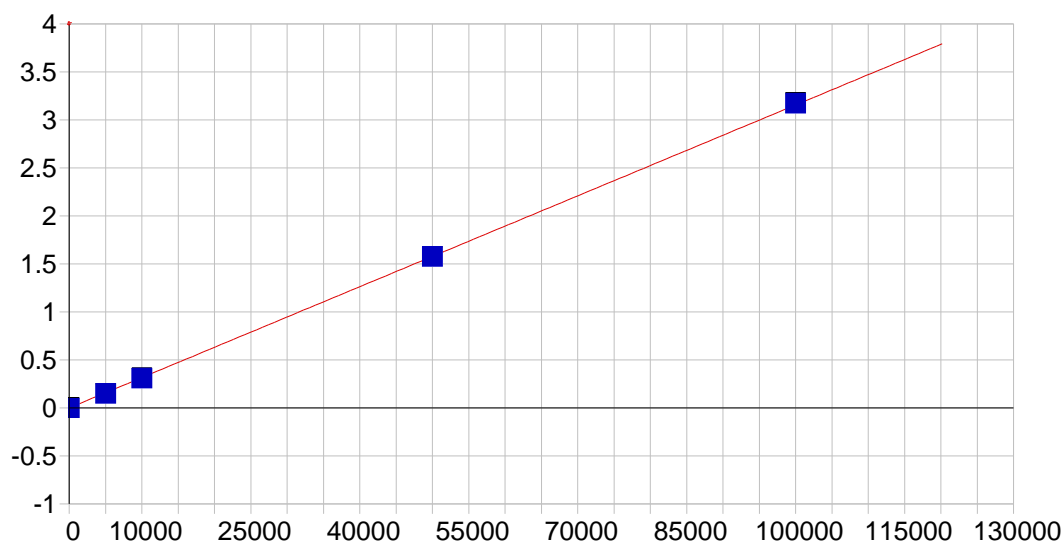
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000001 Re-Slope: 1.000000
 A1 (Gain): 0.000078 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999895 Status: OK.
 Std Error of Est: 0.000019
 Predicted MDL: 0.630575
 Predicted MQL: 2.101915

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | -.00031 | -.000 | .000 | -.00000 | .000 | 1 |
| CAL2 | 10.000 | 9.9025 | -.097 | -.975 | .00078 | .000 | 1 |
| CAL3 | 1000.0 | 1037.9 | 37.9 | 3.79 | .08132 | .000 | 1 |
| CAL4 | 5000.0 | 5065.8 | 65.8 | 1.32 | .39694 | .003 | 1 |
| CAL5 | 10000. | 9896.4 | -104. | -1.04 | .77544 | .002 | 1 |





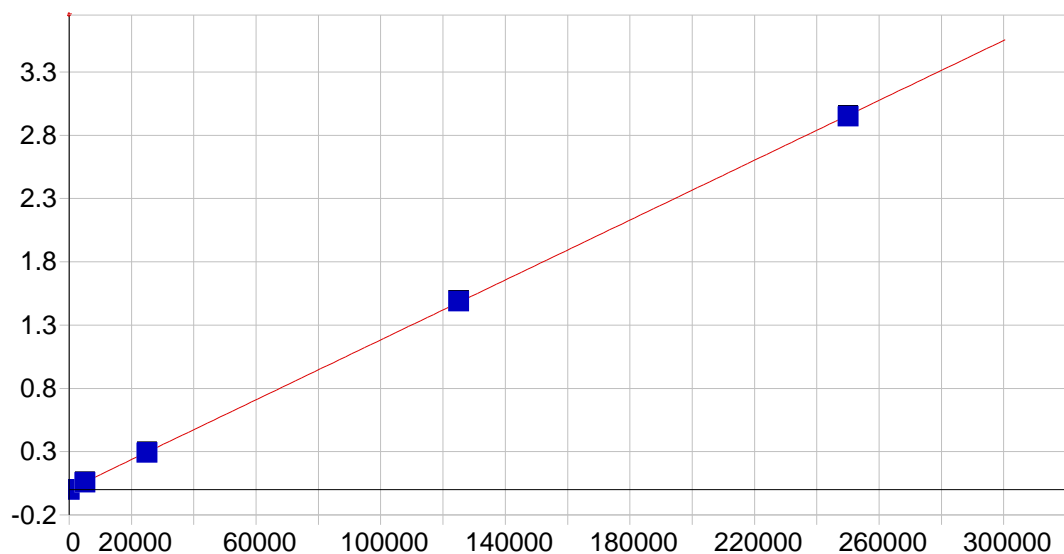


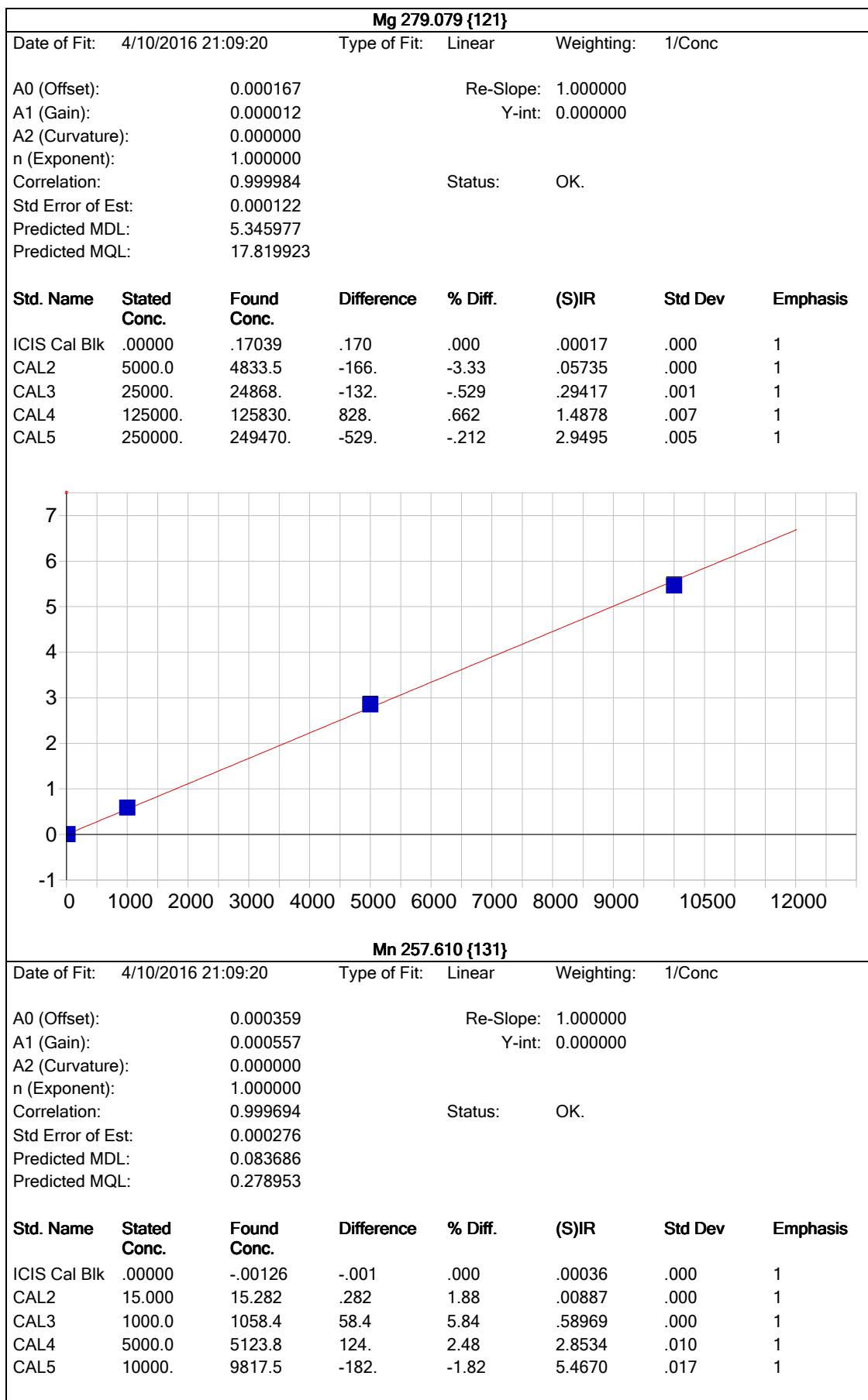
K 766.490 { 44}

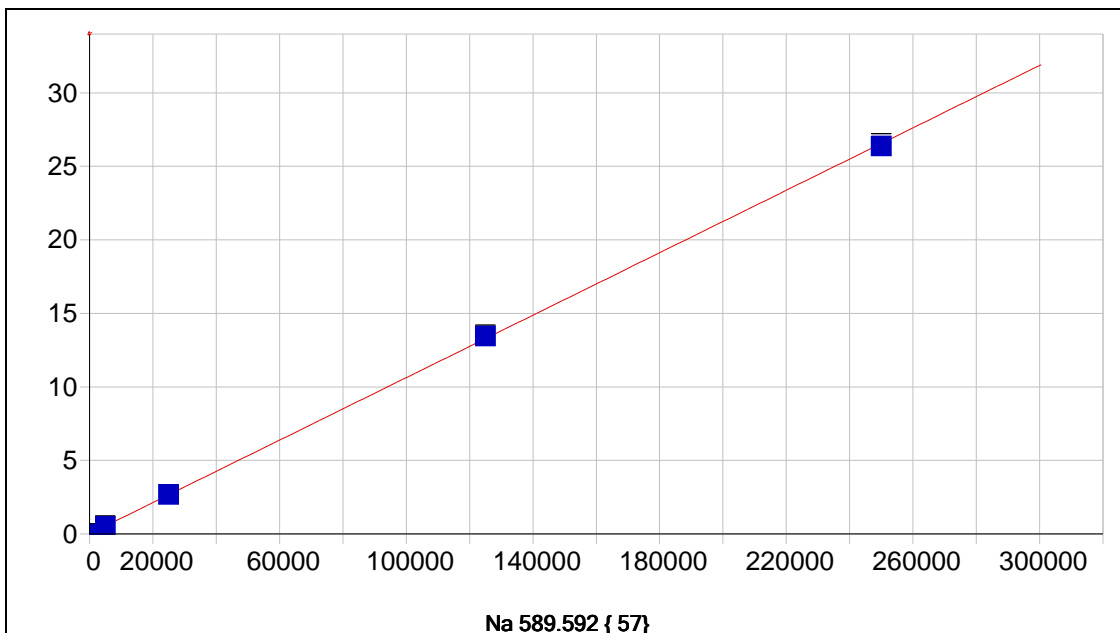
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000339 Re-Slope: 1.000000
 A1 (Gain): 0.000032 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999929 Status: OK.
 Std Error of Est: 0.000440
 Predicted MDL: 36.157484
 Predicted MQL: 120.524947

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|--------|---------|----------|
| ICIS Cal Blk | .00000 | .36319 | .363 | .000 | .00035 | .001 | 1 |
| CAL2 | 5000.0 | 4733.0 | -267. | -5.34 | .14967 | .001 | 1 |
| CAL3 | 10000. | 9766.7 | -233. | -2.33 | .30823 | .001 | 1 |
| CAL4 | 50000. | 49909. | -91.1 | -.182 | 1.5737 | .003 | 1 |
| CAL5 | 100000. | 100590. | 592. | .592 | 3.1715 | .005 | 1 |



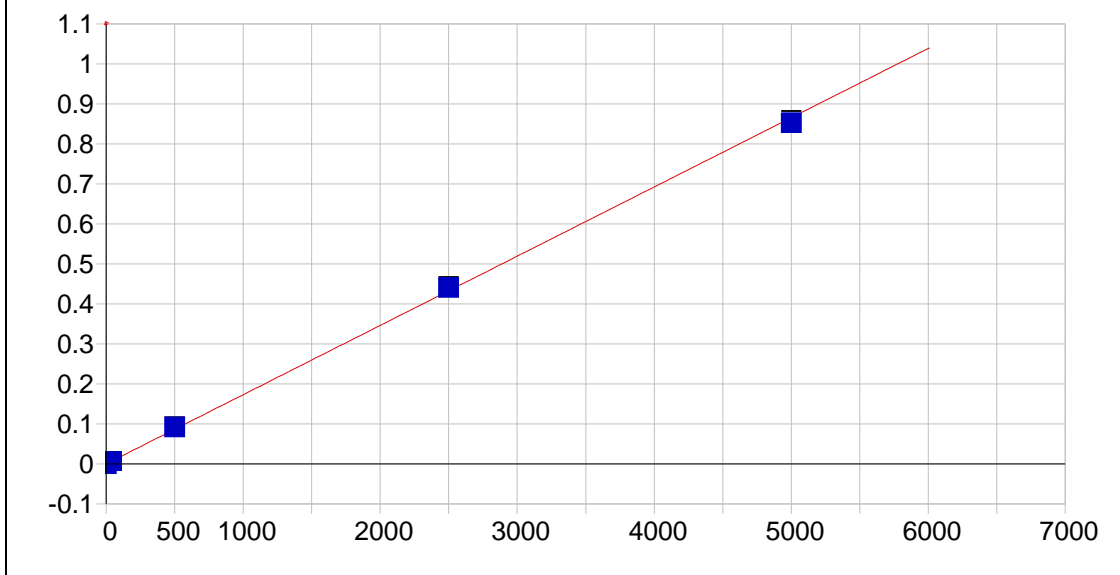


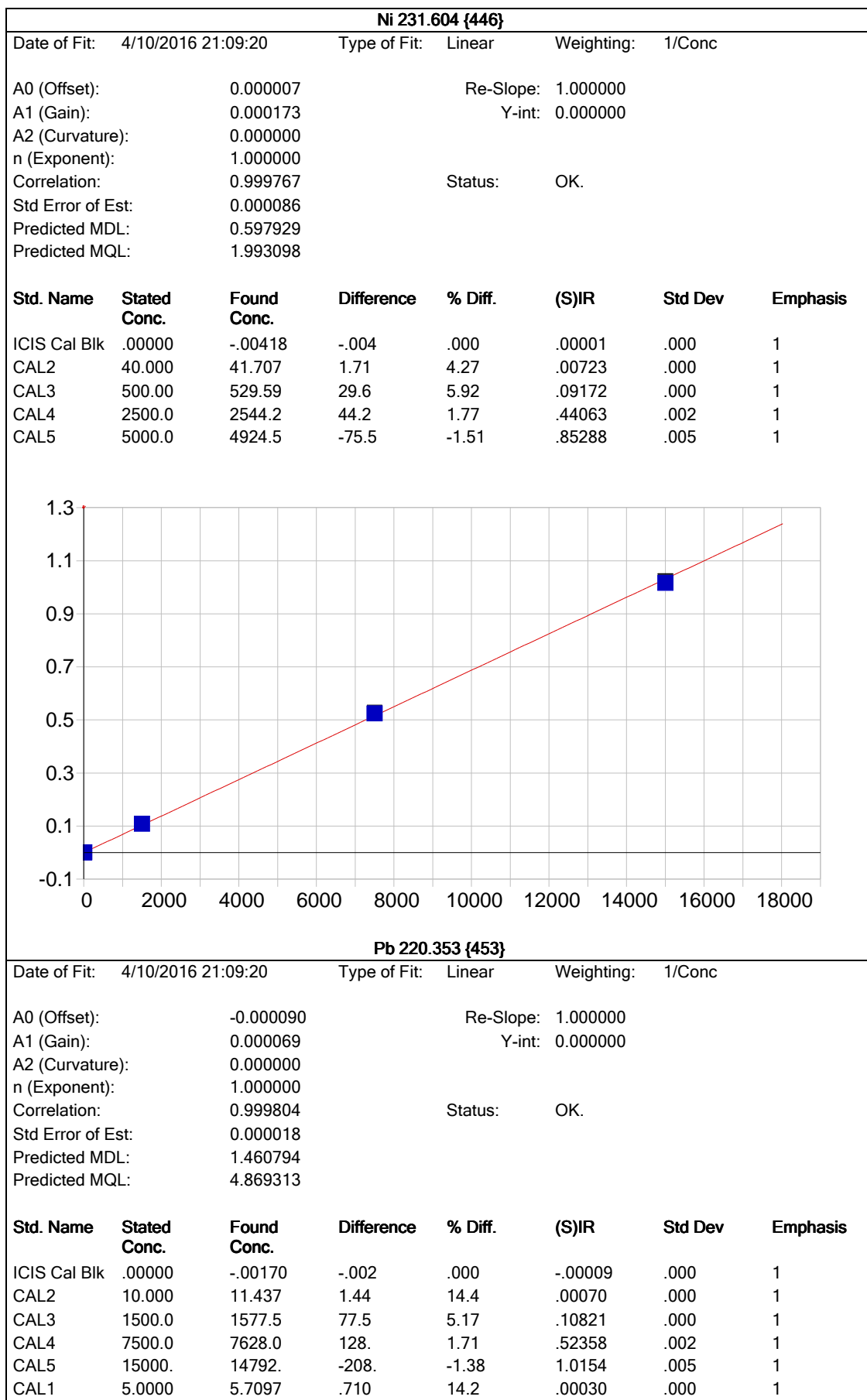


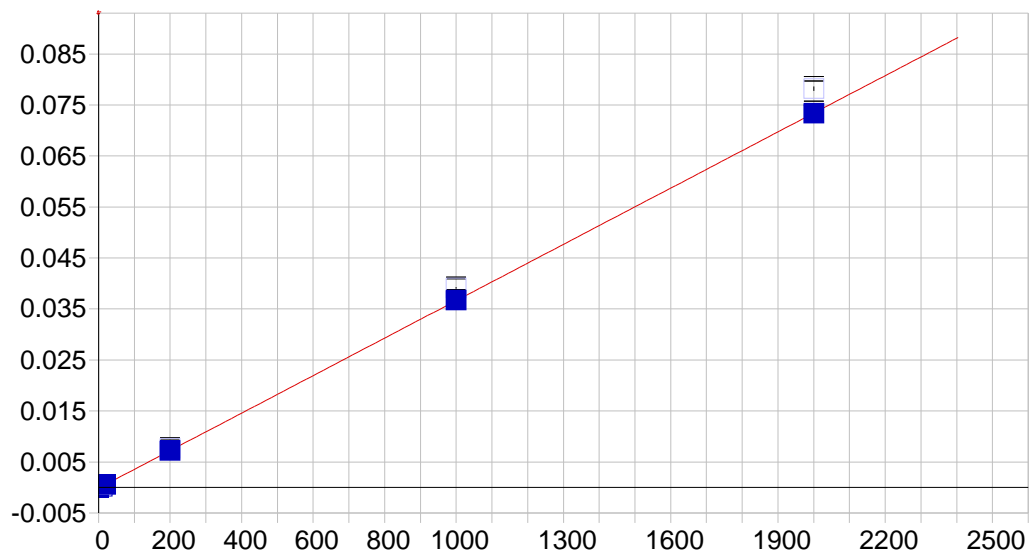
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008432 Re-Slope: 1.000000
 A1 (Gain): 0.000106 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999954 Status: OK.
 Std Error of Est: 0.001863
 Predicted MDL: 10.406959
 Predicted MQL: 34.689864

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|--------|---------|----------|
| ICIS Cal Blk | .00000 | .01104 | .011 | .000 | .00843 | .003 | 1 |
| CAL2 | 5000.0 | 4918.2 | -81.8 | -1.64 | .53077 | .002 | 1 |
| CAL3 | 25000. | 25202. | 202. | .807 | 2.6858 | .001 | 1 |
| CAL4 | 125000. | 126640. | 1640. | 1.31 | 13.463 | .060 | 1 |
| CAL5 | 250000. | 248240. | -1760. | -.705 | 26.381 | .175 | 1 |





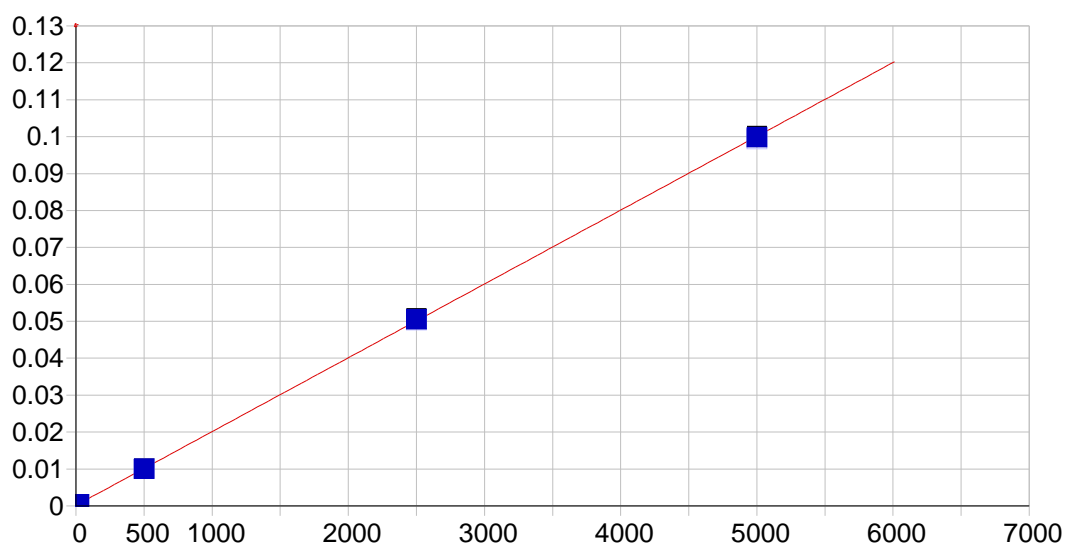


Sb 206.833 {463}

Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000123 Re-Slope: 1.000000
 A1 (Gain): 0.000037 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000001
 Predicted MDL: 2.135237
 Predicted MQL: 7.117456

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | .00078 | .001 | .000 | -.00012 | .000 | 1 |
| CAL2 | 20.000 | 19.360 | -.640 | -3.20 | .00057 | .000 | 1 |
| CAL3 | 200.00 | 199.58 | -.422 | -.211 | .00770 | .000 | 1 |
| CAL4 | 1000.0 | 1002.2 | 2.18 | .218 | .03914 | .000 | 1 |
| CAL5 | 2000.0 | 1999.3 | -.742 | -.037 | .07821 | .000 | 1 |
| CAL1 | 10.000 | 9.5430 | -.457 | -4.57 | .00023 | .000 | 1 |

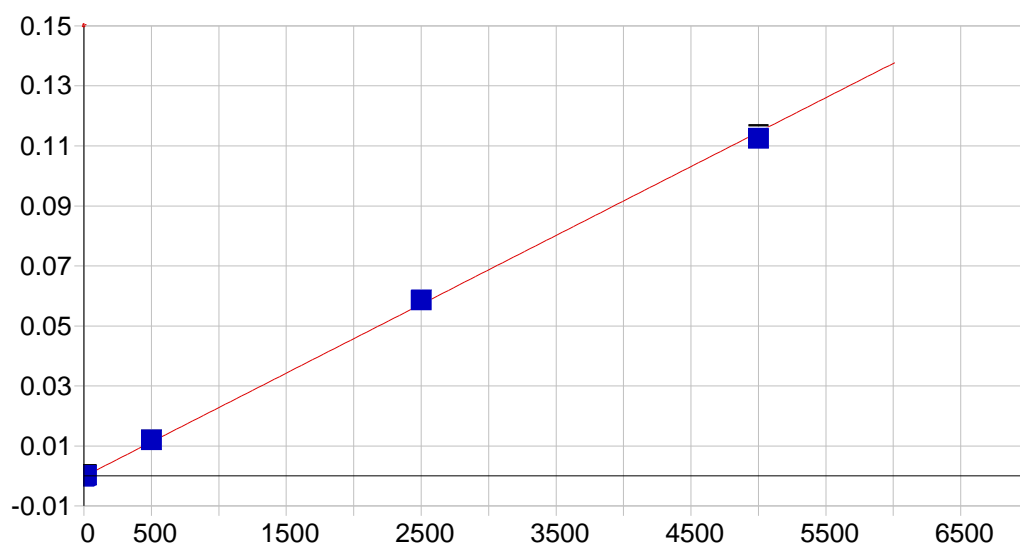


Se 196.090 {472}

Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000138 Re-Slope: 1.000000
 A1 (Gain): 0.000020 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999900 Status: OK.
 Std Error of Est: 0.000002
 Predicted MDL: 3.123789
 Predicted MQL: 10.412631

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|--------|---------|----------|
| ICIS Cal Blk | .00000 | .00291 | .003 | .000 | .00014 | .000 | 1 |
| CAL2 | 20.000 | 17.687 | -2.31 | -11.6 | .00049 | .000 | 1 |
| CAL3 | 500.00 | 496.54 | -3.46 | -.692 | .01001 | .000 | 1 |
| CAL4 | 2500.0 | 2521.4 | 21.4 | .855 | .05028 | .000 | 1 |
| CAL5 | 5000.0 | 4986.8 | -13.2 | -.265 | .09930 | .000 | 1 |
| CAL1 | 5.0000 | 2.6776 | -2.32 | -46.4 | .00019 | .000 | 1 |

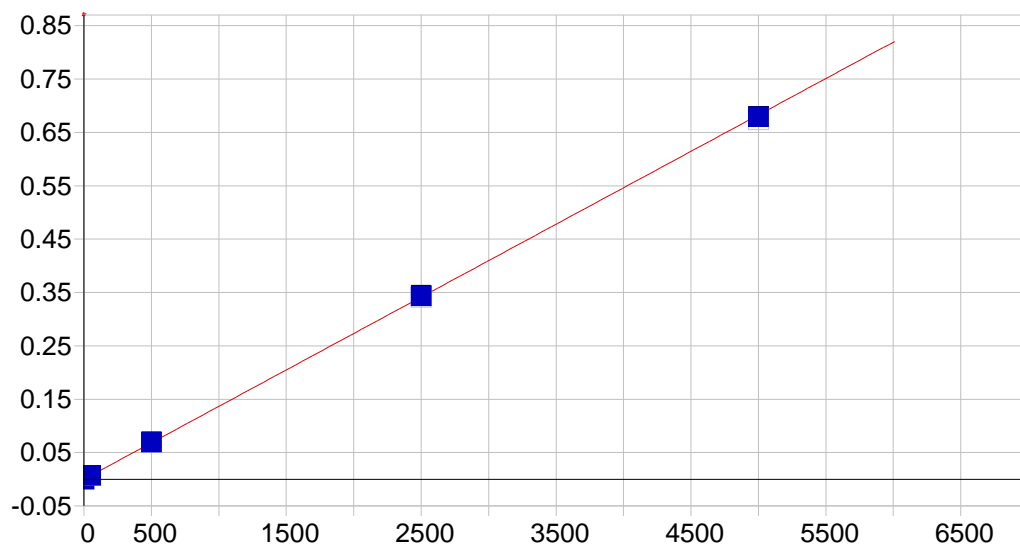


TI 190.856 {477}

Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

| | | | |
|-------------------|-----------|-----------|----------|
| A0 (Offset): | -0.000181 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.000023 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999685 | Status: | OK. |
| Std Error of Est: | 0.000006 | | |
| Predicted MDL: | 2.740026 | | |
| Predicted MQL: | 9.133421 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | -.00044 | -.000 | .000 | -.00018 | .000 | 1 |
| CAL2 | 20.000 | 19.715 | -.285 | -1.43 | .00028 | .000 | 1 |
| CAL3 | 500.00 | 530.98 | 31.0 | 6.20 | .01204 | .000 | 1 |
| CAL4 | 2500.0 | 2561.1 | 61.1 | 2.44 | .05876 | .000 | 1 |
| CAL5 | 5000.0 | 4908.3 | -91.7 | -1.83 | .11279 | .001 | 1 |
| CAL1 | 10.000 | 9.9012 | -.099 | -.988 | .00005 | .000 | 1 |

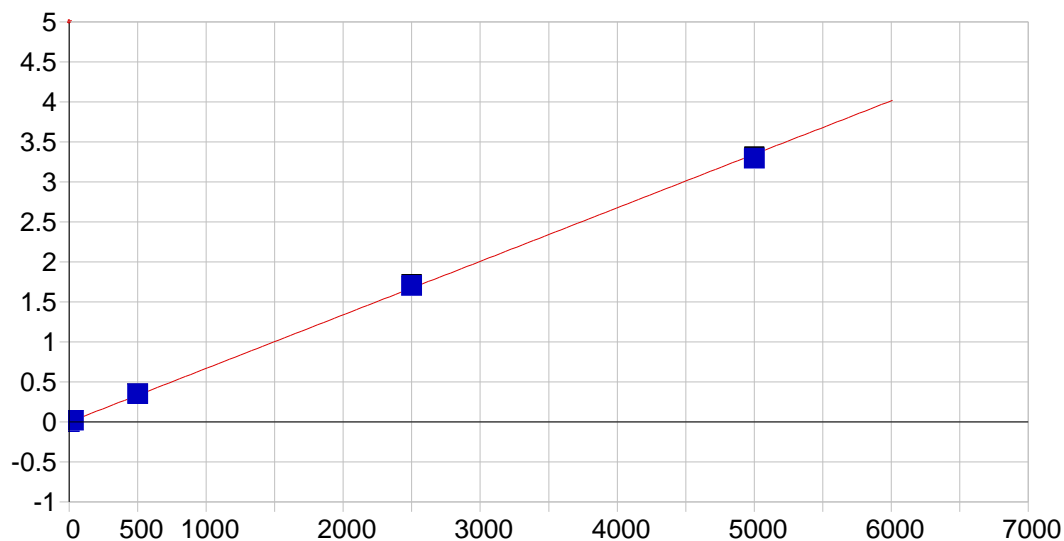


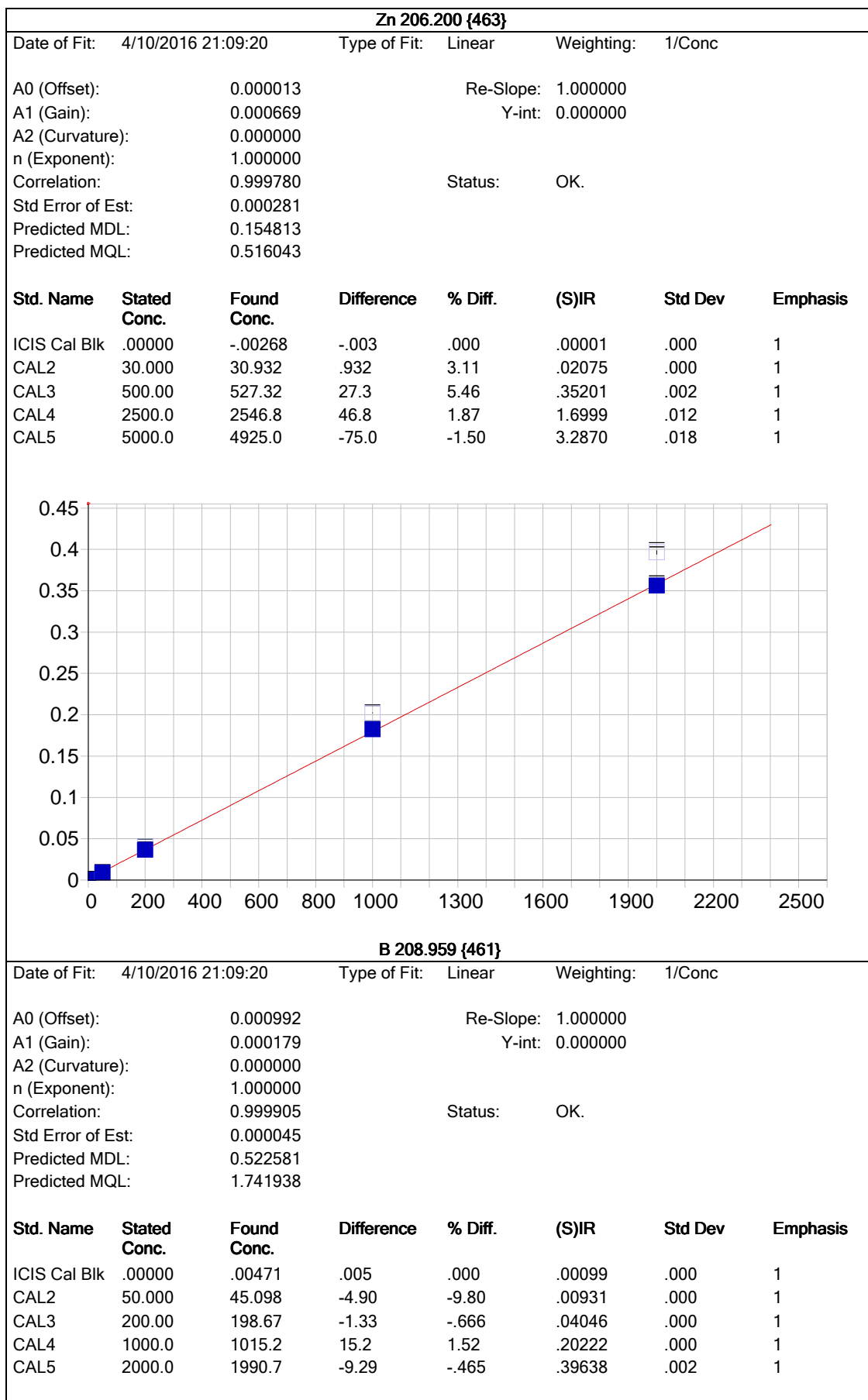
V 292.402 {115}

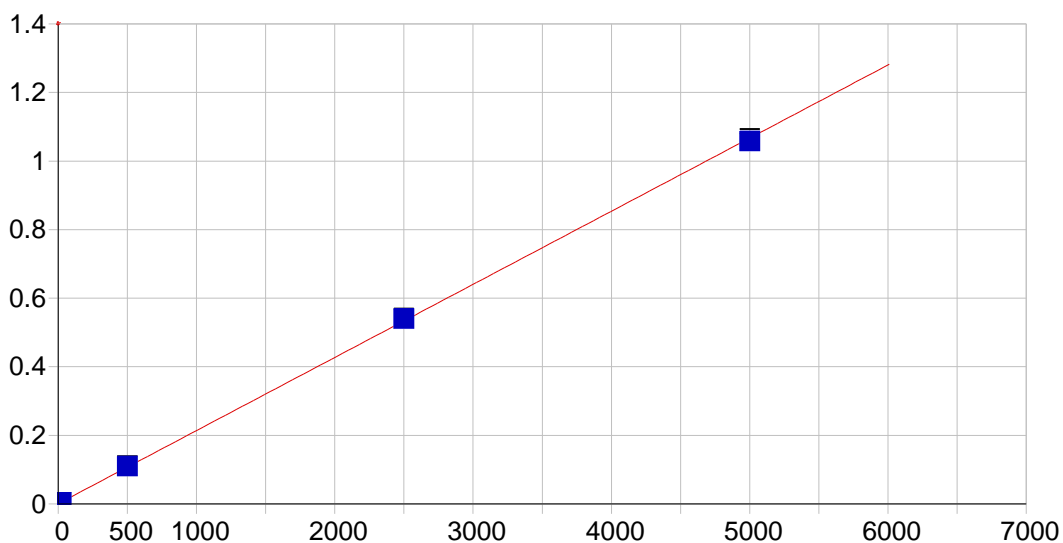
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000021 Re-Slope: 1.000000
 A1 (Gain): 0.000137 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999978 Status: OK.
 Std Error of Est: 0.000023
 Predicted MDL: 0.478232
 Predicted MQL: 1.594106

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | -.00091 | -.001 | .000 | -.00002 | .000 | 1 |
| CAL2 | 50.000 | 50.028 | .028 | .055 | .00679 | .000 | 1 |
| CAL3 | 500.00 | 508.01 | 8.01 | 1.60 | .06875 | .000 | 1 |
| CAL4 | 2500.0 | 2516.1 | 16.1 | .645 | .34058 | .001 | 1 |
| CAL5 | 5000.0 | 4975.8 | -24.2 | -.483 | .67348 | .000 | 1 |





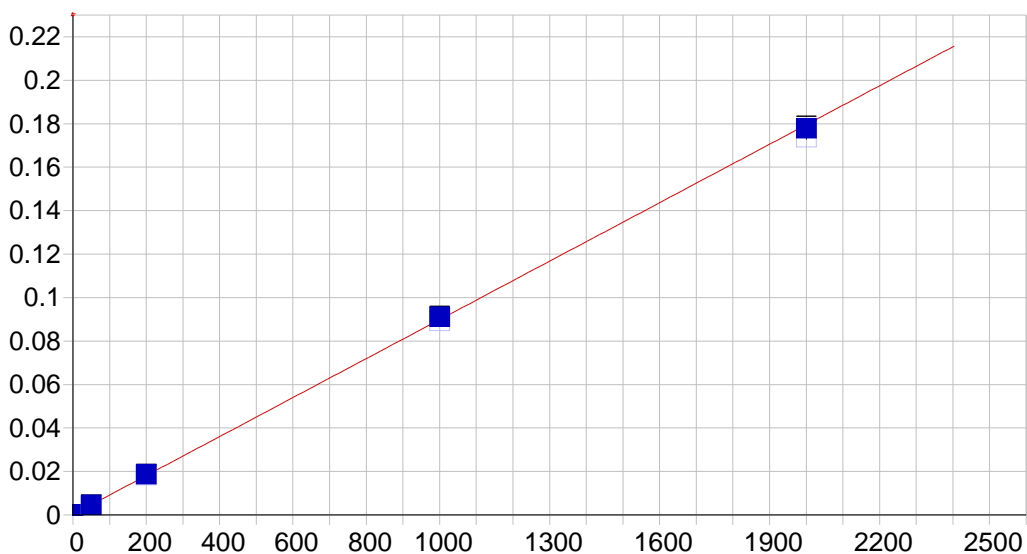


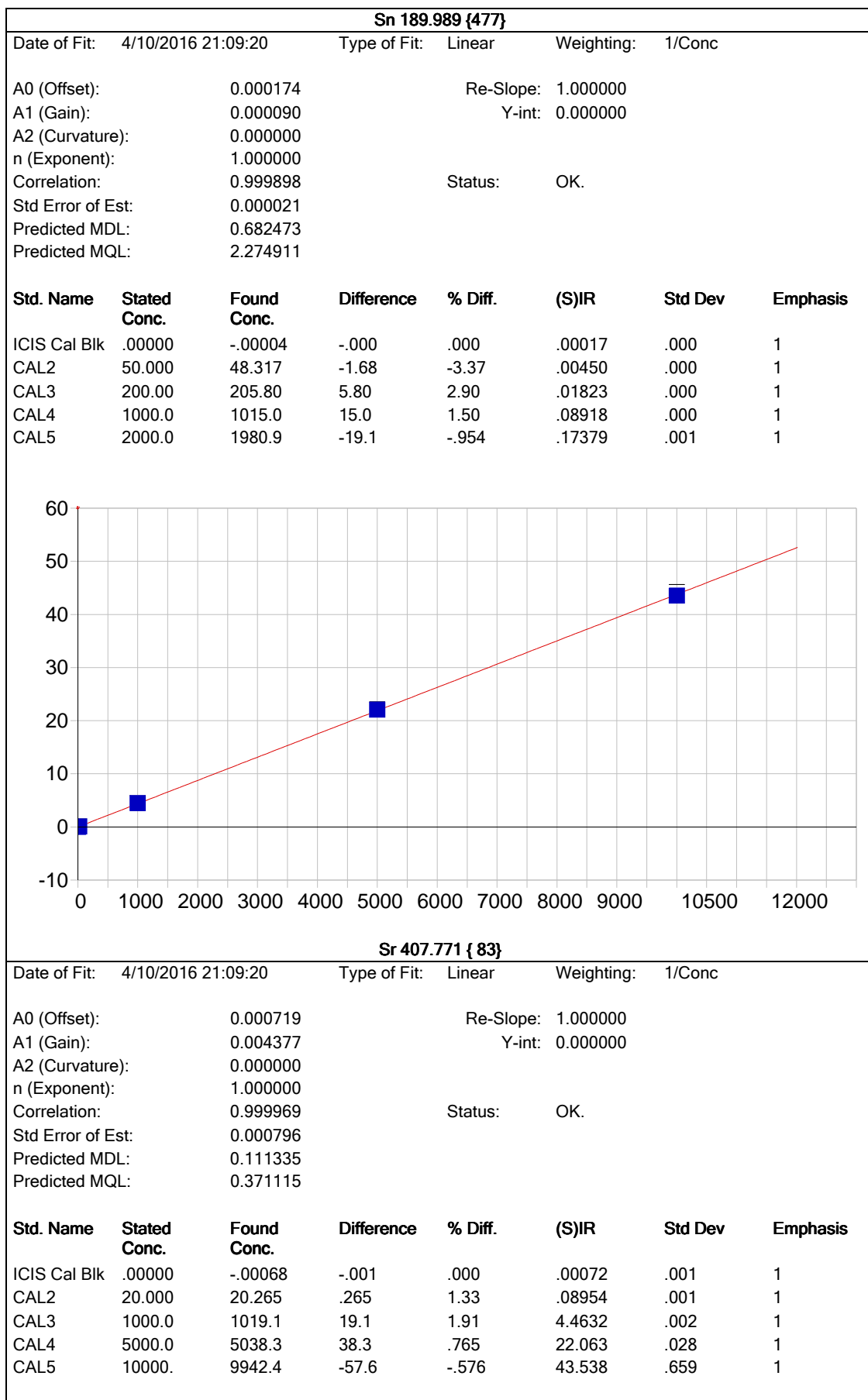
Mo 202.030 {467}

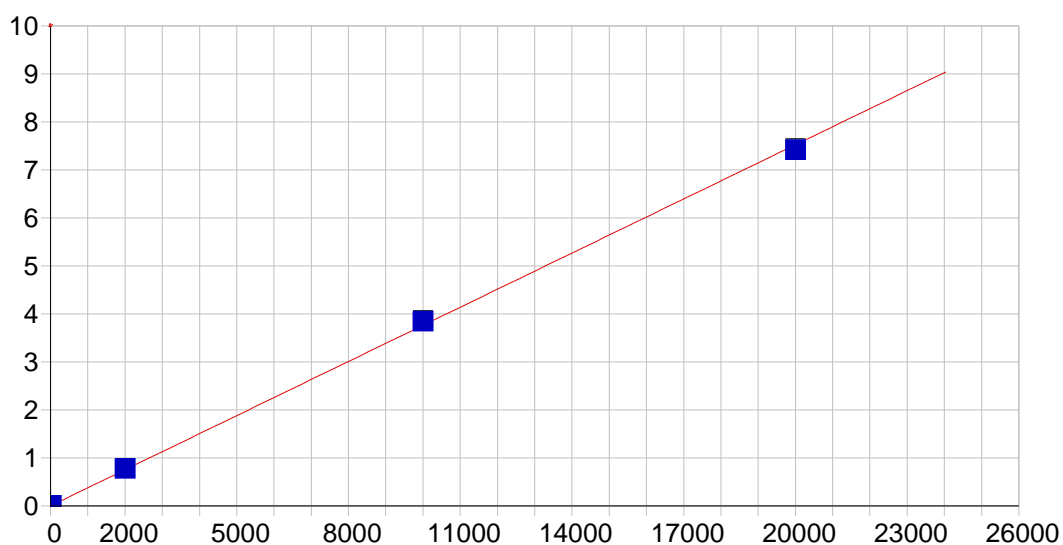
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000652 Re-Slope: 1.000000
 A1 (Gain): 0.000213 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999916 Status: OK.
 Std Error of Est: 0.000045
 Predicted MDL: 0.320171
 Predicted MQL: 1.067236

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|--------|---------|----------|
| ICIS Cal Blk | .00000 | .00201 | .002 | .000 | .00065 | .000 | 1 |
| CAL2 | 20.000 | 17.406 | -2.59 | -13.0 | .00436 | .000 | 1 |
| CAL3 | 500.00 | 512.65 | 12.6 | 2.53 | .10990 | .000 | 1 |
| CAL4 | 2500.0 | 2530.2 | 30.2 | 1.21 | .53987 | .001 | 1 |
| CAL5 | 5000.0 | 4959.7 | -40.3 | -.806 | 1.0576 | .006 | 1 |





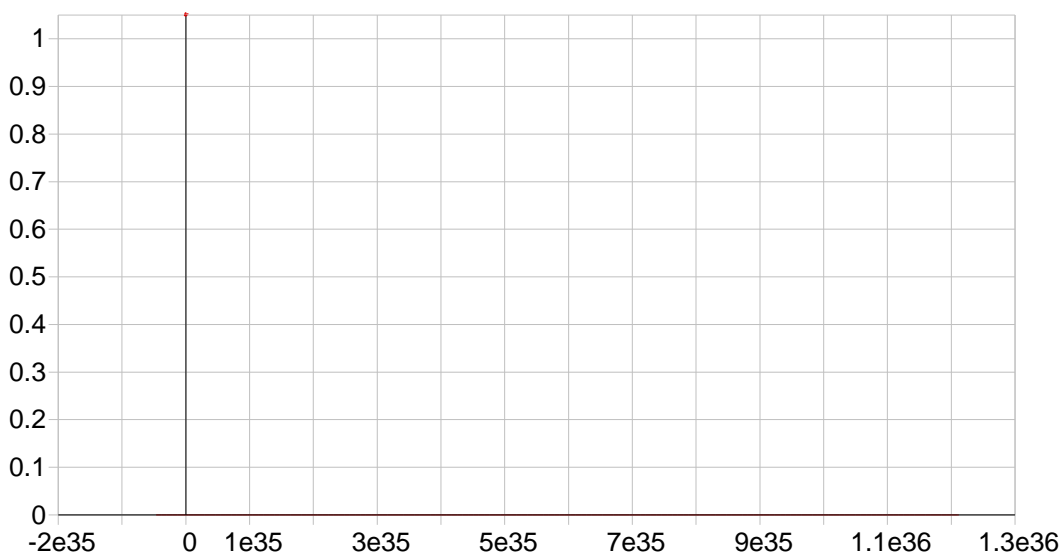


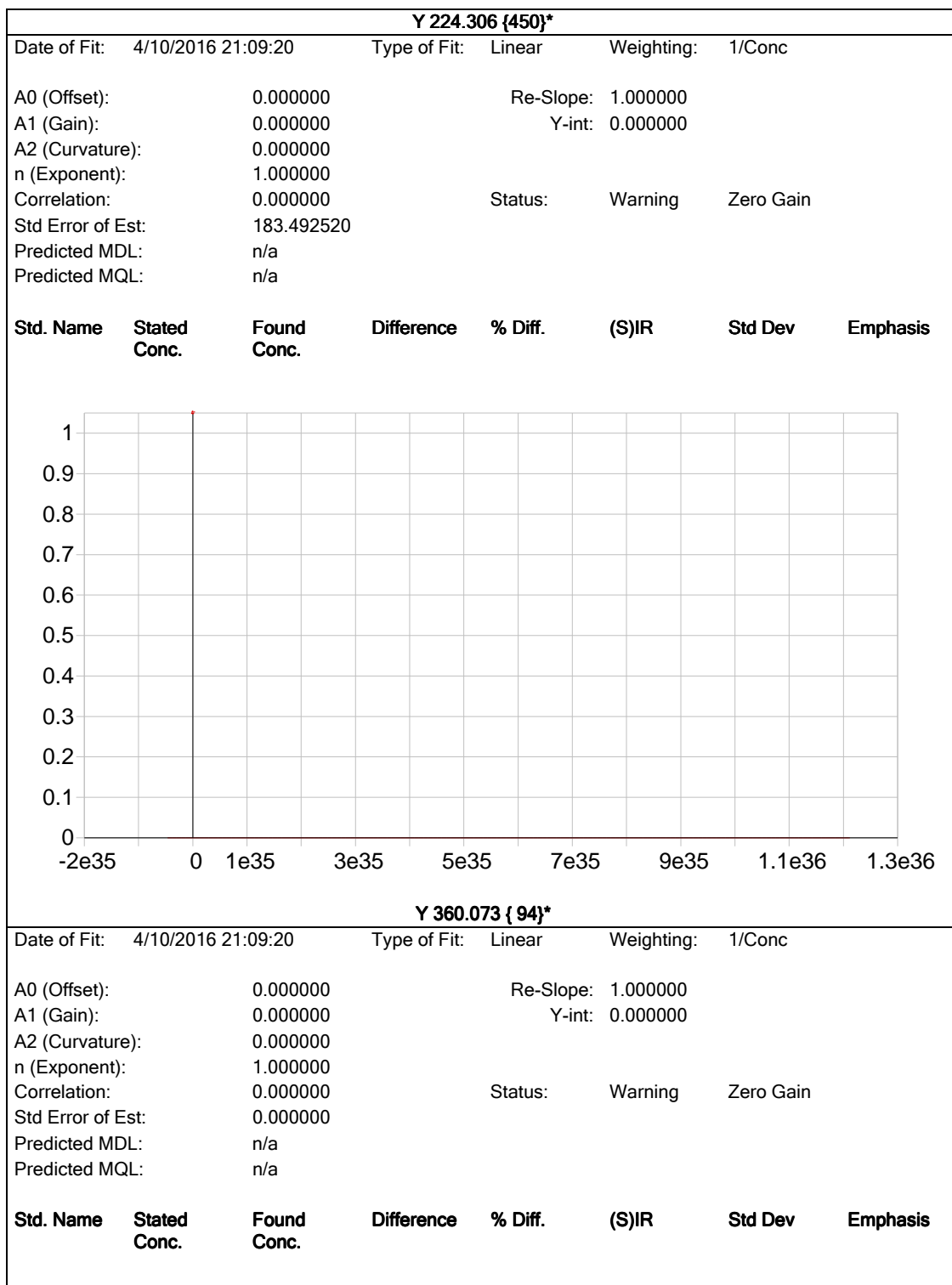
Ti 334.941 {101}

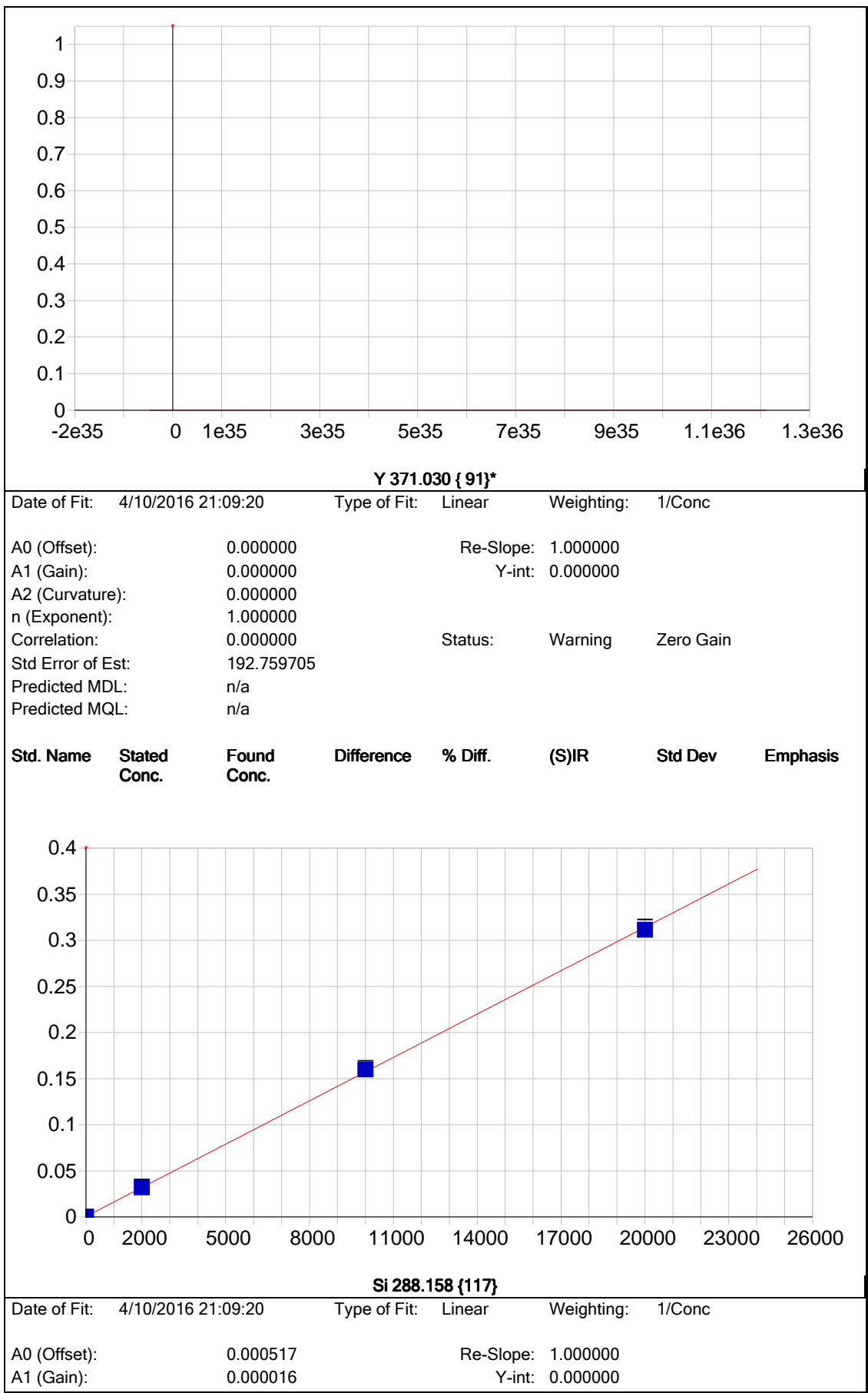
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000677 Re-Slope: 1.000000
 A1 (Gain): 0.000376 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999832 Status: OK.
 Std Error of Est: 0.000225
 Predicted MDL: 0.236266
 Predicted MQL: 0.787555

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|--------|---------|----------|
| ICIS Cal Blk | .00000 | .00059 | .001 | .000 | .00068 | .000 | 1 |
| CAL2 | 20.000 | 18.615 | -1.38 | -6.92 | .00768 | .000 | 1 |
| CAL3 | 2000.0 | 2064.3 | 64.3 | 3.22 | .77736 | .002 | 1 |
| CAL4 | 10000. | 10217. | 217. | 2.17 | 3.8446 | .008 | 1 |
| CAL5 | 20000. | 19720. | -280. | -1.40 | 7.4204 | .014 | 1 |







| A2 (Curvature): | 0.000000 | | | | | | |
|-------------------|--------------|-------------|------------|---------|--------|---------|----------|
| n (Exponent): | 1.000000 | | | | | | |
| Correlation: | 0.999938 | | | Status: | OK. | | |
| Std Error of Est: | 0.000062 | | | | | | |
| Predicted MDL: | 17.004366 | | | | | | |
| Predicted MQL: | 56.681219 | | | | | | |
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
| ICIS Cal Blk | .00000 | -.01701 | -.017 | .000 | .00052 | .000 | 1 |
| CAL5 | 20000. | 19837. | -163. | -.816 | .31099 | .003 | 1 |
| CAL3 | 2000.0 | 2000.9 | .855 | .043 | .03183 | .001 | 1 |
| CAL4 | 10000. | 10162. | 162. | 1.62 | .15958 | .001 | 1 |

Sample Name: ICIS Cal Blk Acquired: 4/10/2016 14:01:08 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|----------------|----------------|---------------|----------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0008 | -0.0001 | -0.0000 | .0002 | -0.0003 | .0022 |
| Stddev | .0001 | .0000 | .0000 | .0001 | .0002 | .0001 |
| %RSD | 18.73 | 62.26 | 111.3 | 57.81 | 87.03 | 6.312 |

| | | | | | | |
|----|----------------|----------------|----------------|--------------|----------------|--------------|
| #1 | -0.0009 | -0.0000 | .0000 | .0001 | -0.0000 | .0024 |
| #2 | -0.0006 | -0.0001 | -0.0000 | .0003 | -0.0005 | .0021 |
| #3 | -0.0008 | -0.0001 | -0.0001 | .0001 | -0.0003 | .0022 |

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0002 | .0006 | -0.0000 | .0050 | .0001 | .0004 |
| Stddev | .0001 | .0000 | .0000 | .0003 | .0000 | .0014 |
| %RSD | 29.55 | 1.711 | 4782. | 5.078 | 28.66 | 403.2 |

| | | | | | | |
|----|----------------|--------------|----------------|--------------|--------------|----------------|
| #1 | -0.0002 | .0006 | .0000 | .0053 | .0001 | .0017 |
| #2 | -0.0002 | .0006 | -0.0000 | .0049 | .0001 | .0004 |
| #3 | -0.0001 | .0006 | -0.0000 | .0048 | .0001 | -0.0011 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|----------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0002 | .0004 | .0084 | .0000 | -0.0001 | -0.0001 |
| Stddev | .0002 | .0004 | .0030 | .0000 | .0001 | .0001 |
| %RSD | 118.1 | 109.4 | 35.44 | 804.5 | 75.96 | 50.03 |

| | | | | | | |
|----|--------------|--------------|--------------|----------------|----------------|----------------|
| #1 | .0004 | .0008 | .0117 | .0000 | -0.0000 | -0.0001 |
| #2 | .0001 | .0001 | .0077 | -0.0000 | -0.0001 | -0.0001 |
| #3 | .0000 | .0001 | .0059 | .0001 | -0.0002 | -0.0002 |

Sample Name: ICIS Cal Blk Acquired: 4/10/2016 14:01:08 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0001 | -.0002 | -.0000 | .0000 | .0010 | .0007 |
| Stddev | .0000 | .0001 | .0000 | .0001 | .0001 | .0001 |
| %RSD | 21.62 | 44.21 | 221.4 | 516.7 | 11.12 | 16.09 |

| | | | | | | |
|----|-------|--------|--------|--------|-------|-------|
| #1 | .0001 | -.0001 | .0000 | -.0000 | .0011 | .0005 |
| #2 | .0002 | -.0003 | -.0001 | .0001 | .0010 | .0007 |
| #3 | .0001 | -.0002 | .0000 | -.0000 | .0009 | .0008 |

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0002 | .0007 | .0007 | .0005 |
| Stddev | .0000 | .0011 | .0004 | .0001 |
| %RSD | 28.04 | 152.6 | 59.87 | 19.76 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .0002 | .0020 | .0011 | .0004 |
| #2 | .0002 | .0001 | .0004 | .0005 |
| #3 | .0001 | .0001 | .0005 | .0006 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9685.6 | 65305. | 9597.4 |
| Stddev | 38.7 | 511. | 148.5 |
| %RSD | .39969 | .78197 | 1.5470 |

| | | | |
|----|--------|--------|--------|
| #1 | 9642.0 | 64728. | 9428.8 |
| #2 | 9699.1 | 65700. | 9708.6 |
| #3 | 9715.8 | 65486. | 9654.9 |

Sample Name: CAL1 Acquired: 4/10/2016 14:04:57 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | As1890 | Pb2203 | Sb2068 | Se196 | Tl1908 |
| Line | 189.042 {478} | 220.353 {453} | 206.833 {463} | 196.090 {472} | 190.856 {477} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0001 | .0003 | .0002 | .0002 | .0000 |
| Stddev | .0000 | .0001 | .0000 | .0000 | .0000 |
| %RSD | 50.72 | 24.95 | 18.65 | 6.575 | 80.13 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .0000 | .0002 | .0003 | .0002 | .0000 |
| #2 | .0001 | .0003 | .0003 | .0002 | .0000 |
| #3 | .0001 | .0003 | .0002 | .0002 | .0001 |

| | |
|-----------|---------------|
| Int. Std. | Y_2243 |
| Line | 224.306 {450} |
| Units | Cts/S |
| Avg | 9780.3 |
| Stddev | 14.0 |
| %RSD | .14343 |

| | |
|----|--------|
| #1 | 9771.5 |
| #2 | 9796.5 |
| #3 | 9772.9 |

Sample Name: CAL2 Acquired: 4/10/2016 14:08:50 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0039 | .0003 | .0010 | .0666 | .0026 | .0615 |
| Stddev | .0001 | .0001 | .0001 | .0002 | .0001 | .0000 |
| %RSD | 3.770 | 17.48 | 7.816 | .2742 | 4.581 | .0526 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | .0039 | .0003 | .0010 | .0664 | .0027 | .0615 |
| #2 | .0038 | .0004 | .0010 | .0668 | .0025 | .0615 |
| #3 | .0041 | .0004 | .0011 | .0665 | .0027 | .0615 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0030 | .0338 | .0008 | .0088 | .0010 | .1497 |
| Stddev | .0000 | .0001 | .0000 | .0001 | .0000 | .0008 |
| %RSD | 1.035 | .3293 | 6.157 | 1.408 | 1.750 | .5489 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | .0030 | .0340 | .0007 | .0087 | .0010 | .1500 |
| #2 | .0030 | .0338 | .0008 | .0086 | .0010 | .1503 |
| #3 | .0030 | .0338 | .0008 | .0089 | .0010 | .1487 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0573 | .0089 | .5308 | .0072 | .0007 | .0006 |
| Stddev | .0001 | .0000 | .0023 | .0000 | .0000 | .0001 |
| %RSD | .1411 | .3633 | .4249 | .4427 | 6.282 | 15.59 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | .0573 | .0089 | .5282 | .0073 | .0007 | .0005 |
| #2 | .0573 | .0088 | .5318 | .0072 | .0007 | .0005 |
| #3 | .0574 | .0089 | .5323 | .0072 | .0007 | .0007 |

Sample Name: CAL2 Acquired: 4/10/2016 14:08:50 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0005 | .0003 | .0068 | .0208 | .0093 | .0044 |
| Stddev | .0000 | .0000 | .0000 | .0001 | .0001 | .0001 |
| %RSD | 4.138 | 14.35 | .2234 | .6978 | 1.277 | 1.801 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | .0005 | .0003 | .0068 | .0207 | .0094 | .0043 |
| #2 | .0005 | .0002 | .0068 | .0209 | .0094 | .0045 |
| #3 | .0005 | .0003 | .0068 | .0206 | .0092 | .0043 |

| | | | |
|--------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | .0045 | .0895 | .0077 |
| Stddev | .0000 | .0007 | .0000 |
| %RSD | .9242 | .7693 | .4587 |

| | | | |
|----|--------------|--------------|--------------|
| #1 | .0046 | .0893 | .0077 |
| #2 | .0045 | .0903 | .0077 |
| #3 | .0045 | .0890 | .0077 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9769.3 | 66663. | 9947.2 |
| Stddev | 8.4 | 81. | 10.9 |
| %RSD | .08578 | .12204 | .10941 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9768.0 | 66570. | 9939.5 |
| #2 | 9761.7 | 66716. | 9942.5 |
| #3 | 9778.3 | 66705. | 9959.6 |

Sample Name: CAL3 Acquired: 4/10/2016 14:12:40 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5821 | .0147 | .0272 | .6727 | .2891 | .3006 |
| Stddev | .0013 | .0001 | .0002 | .0009 | .0004 | .0003 |
| %RSD | .2184 | .5242 | .7128 | .1332 | .1470 | .0861 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | .5830 | .0148 | .0272 | .6737 | .2896 | .3004 |
| #2 | .5827 | .0148 | .0270 | .6721 | .2889 | .3009 |
| #3 | .5807 | .0147 | .0273 | .6721 | .2888 | .3004 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .2094 | .3417 | .0813 | .4189 | .1174 | .3082 |
| Stddev | .0004 | .0000 | .0001 | .0011 | .0001 | .0007 |
| %RSD | .1920 | .0126 | .1578 | .2532 | .0995 | .2215 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | .2093 | .3417 | .0814 | .4179 | .1172 | .3089 |
| #2 | .2091 | .3416 | .0812 | .4188 | .1175 | .3076 |
| #3 | .2098 | .3417 | .0813 | .4200 | .1173 | .3082 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .2942 | .5897 | 2.686 | .0917 | .1082 | .0077 |
| Stddev | .0007 | .0004 | .001 | .0001 | .0002 | .0001 |
| %RSD | .2409 | .0652 | .0288 | .0734 | .2230 | .9923 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | .2934 | .5893 | 2.686 | .0917 | .1080 | .0078 |
| #2 | .2944 | .5900 | 2.685 | .0917 | .1082 | .0076 |
| #3 | .2947 | .5897 | 2.687 | .0918 | .1085 | .0077 |

Sample Name: CAL3 Acquired: 4/10/2016 14:12:40 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0100 | .0120 | .0688 | .3520 | .0405 | .1099 |
| Stddev | .0001 | .0000 | .0001 | .0015 | .0001 | .0000 |
| %RSD | .5245 | .3879 | .1138 | .4355 | .1885 | .0177 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | .0100 | .0121 | .0688 | .3506 | .0405 | .1099 |
| #2 | .0101 | .0120 | .0687 | .3518 | .0404 | .1099 |
| #3 | .0100 | .0121 | .0688 | .3537 | .0405 | .1099 |

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0182 | 4.463 | .7774 | .0318 |
| Stddev | .0000 | .002 | .0018 | .0006 |
| %RSD | .1877 | .0510 | .2348 | 1.911 |

| | | | | |
|----|--------------|--------------|--------------|--------------|
| #1 | .0182 | 4.465 | .7752 | .0311 |
| #2 | .0182 | 4.464 | .7784 | .0321 |
| #3 | .0183 | 4.461 | .7784 | .0323 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9562.3 | 65463. | 9859.7 |
| Stddev | 31.8 | 185. | 164.4 |
| %RSD | .33276 | .28203 | 1.6677 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9581.7 | 65280. | 9669.9 |
| #2 | 9579.6 | 65460. | 9959.1 |
| #3 | 9525.6 | 65649. | 9950.1 |

Sample Name: CAL4 Acquired: 4/10/2016 14:16:15 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.903 | .0756 | .1388 | 3.278 | 1.419 | 1.494 |
| Stddev | .010 | .0002 | .0002 | .008 | .004 | .008 |
| %RSD | .3492 | .2112 | .1460 | .2504 | .3079 | .5429 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2.909 | .0758 | .1391 | 3.287 | 1.422 | 1.502 |
| #2 | 2.910 | .0755 | .1388 | 3.274 | 1.420 | 1.494 |
| #3 | 2.892 | .0755 | .1387 | 3.272 | 1.414 | 1.486 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.011 | 1.658 | .3969 | 2.124 | .5688 | 1.574 |
| Stddev | .004 | .005 | .0025 | .002 | .0027 | .003 |
| %RSD | .4015 | .3040 | .6366 | .0833 | .4669 | .1944 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1.016 | 1.664 | .3991 | 2.123 | .5712 | 1.576 |
| #2 | 1.009 | 1.655 | .3975 | 2.123 | .5692 | 1.575 |
| #3 | 1.008 | 1.655 | .3942 | 2.126 | .5659 | 1.570 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.488 | 2.853 | 13.46 | .4406 | .5236 | .0391 |
| Stddev | .007 | .010 | .06 | .0020 | .0022 | .0001 |
| %RSD | .4552 | .3544 | .4426 | .4534 | .4114 | .3265 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1.494 | 2.863 | 13.51 | .4426 | .5260 | .0392 |
| #2 | 1.489 | 2.854 | 13.48 | .4407 | .5221 | .0390 |
| #3 | 1.481 | 2.843 | 13.40 | .4386 | .5226 | .0392 |

Sample Name: CAL4 Acquired: 4/10/2016 14:16:15 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0503 | .0588 | .3406 | 1.700 | .2022 | .5399 |
| Stddev | .0002 | .0000 | .0009 | .012 | .0004 | .0010 |
| %RSD | .3100 | .0477 | .2705 | .6773 | .2036 | .1899 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .0501 | .0588 | .3414 | 1.713 | .2018 | .5411 |
| #2 | .0503 | .0588 | .3407 | 1.694 | .2026 | .5392 |
| #3 | .0504 | .0587 | .3396 | 1.692 | .2023 | .5394 |

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0892 | 22.06 | 3.845 | .1596 |
| Stddev | .0002 | .03 | .008 | .0015 |
| %RSD | .1931 | .1282 | .2148 | .9303 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .0893 | 22.08 | 3.852 | .1591 |
| #2 | .0892 | 22.08 | 3.846 | .1584 |
| #3 | .0890 | 22.03 | 3.836 | .1612 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9144.4 | 63128. | 9733.3 |
| Stddev | 39.0 | 400. | 154.2 |
| %RSD | .42666 | .63333 | 1.5843 |

| | | | |
|----|--------|--------|--------|
| #1 | 9099.4 | 62731. | 9648.3 |
| #2 | 9169.5 | 63122. | 9640.2 |
| #3 | 9164.2 | 63530. | 9911.3 |

Sample Name: CAL5 Acquired: 4/10/2016 14:19:44 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 5.775 | .1503 | .2792 | 6.351 | 2.776 | 2.928 |
| Stddev | .013 | .0008 | .0006 | .034 | .006 | .007 |
| %RSD | .2180 | .5561 | .2084 | .5359 | .2341 | .2261 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5.766 | .1502 | .2786 | 6.367 | 2.769 | 2.934 |
| #2 | 5.790 | .1512 | .2796 | 6.375 | 2.782 | 2.921 |
| #3 | 5.771 | .1495 | .2796 | 6.312 | 2.776 | 2.928 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.957 | 3.234 | .7754 | 4.222 | 1.105 | 3.171 |
| Stddev | .010 | .019 | .0016 | .004 | .001 | .005 |
| %RSD | .5135 | .5833 | .2016 | .0981 | .1307 | .1577 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1.961 | 3.242 | .7772 | 4.224 | 1.106 | 3.168 |
| #2 | 1.964 | 3.248 | .7743 | 4.218 | 1.103 | 3.177 |
| #3 | 1.945 | 3.213 | .7748 | 4.226 | 1.104 | 3.169 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.950 | 5.467 | 26.38 | .8529 | 1.015 | .0782 |
| Stddev | .005 | .017 | .17 | .0048 | .005 | .0004 |
| %RSD | .1835 | .3072 | .6634 | .5585 | .4964 | .5682 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2.953 | 5.485 | 26.55 | .8556 | 1.017 | .0783 |
| #2 | 2.943 | 5.452 | 26.38 | .8557 | 1.020 | .0786 |
| #3 | 2.953 | 5.463 | 26.20 | .8474 | 1.010 | .0777 |

Sample Name: CAL5 Acquired: 4/10/2016 14:19:44 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0993 | .1128 | .6735 | 3.287 | .3964 | 1.058 |
| Stddev | .0003 | .0009 | .0005 | .018 | .0024 | .006 |
| %RSD | .2852 | .7978 | .0732 | .5537 | .6111 | .6011 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .0993 | .1133 | .6739 | 3.303 | .3950 | 1.059 |
| #2 | .0996 | .1133 | .6729 | 3.291 | .3992 | 1.063 |
| #3 | .0990 | .1117 | .6736 | 3.267 | .3950 | 1.051 |

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .1738 | 43.54 | 7.420 | .3110 |
| Stddev | .0010 | .66 | .014 | .0031 |
| %RSD | .5996 | 1.514 | .1821 | 1.010 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .1741 | 43.40 | 7.436 | .3145 |
| #2 | .1746 | 42.96 | 7.410 | .3099 |
| #3 | .1726 | 44.25 | 7.415 | .3085 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8773.4 | 60921. | 9476.3 |
| Stddev | 46.6 | 397. | 29.3 |
| %RSD | .53142 | .65182 | .30923 |

| | | | |
|----|--------|--------|--------|
| #1 | 8723.6 | 60481. | 9507.5 |
| #2 | 8780.8 | 61253. | 9472.1 |
| #3 | 8815.9 | 61028. | 9449.3 |

Sample Name: CCV Acquired: 4/10/2016 14:23:48 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121100. | 2428. | 1203. | 9892. | 979.5 | 121700. |
| Stddev | 402. | 1. | 4. | 9. | .9 | 349. |
| %RSD | .3316 | .0329 | .3500 | .0917 | .0899 | .2869 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|----------------|
| #1 | 120600. | 2428. | 1207. | 9888. | 978.5 | 121600. |
| #2 | 121400. | 2428. | 1199. | 9884. | 979.9 | 122100. |
| #3 | 121100. | 2427. | 1205. | 9902. | 980.2 | 121500. |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1226. | 2441. | 4910. | 12120. | 98000. | 48170. |
| Stddev | 1. | . | 12. | 27. | 230. | 235. |
| %RSD | .0870 | .0097 | .2367 | .2203 | .2344 | .4872 |

| | | | | | | |
|----|--------------|--------------|--------------|---------------|---------------|---------------|
| #1 | 1227. | 2441. | 4908. | 12140. | 97970. | 47910. |
| #2 | 1225. | 2441. | 4922. | 12090. | 98250. | 48360. |
| #3 | 1227. | 2441. | 4899. | 12130. | 97790. | 48230. |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 14:23:48 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121500. | 4987. | 121400. | 2466. | 7355. | 962.8 |
| Stddev | 360. | 8. | 231. | 3. | 6. | 1.0 |
| %RSD | .2959 | .1663 | .1899 | .1035 | .0866 | .0989 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 121400. | 4982. | 121200. | 2468. | 7362. | 962.0 |
| #2 | 121900. | 4997. | 121700. | 2463. | 7349. | 963.9 |
| #3 | 121200. | 4983. | 121400. | 2466. | 7354. | 962.7 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2406. | 2459. | 2438. | 2471. | 966.6 | 2404. |
| Stddev | 4. | 3. | 3. | 8. | 2.1 | . |
| %RSD | .1694 | .1380 | .1057 | .3207 | .2154 | .0105 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2404. | 2457. | 2441. | 2481. | 964.2 | 2404. |
| #2 | 2403. | 2458. | 2437. | 2466. | 967.6 | 2404. |
| #3 | 2410. | 2463. | 2436. | 2468. | 968.1 | 2404. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 14:23:48 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 972.6 | 4897. | 9871. | 9681. |
| Stddev | 2.5 | 9. | 1. | 47. |
| %RSD | .2602 | .1902 | .0112 | .4877 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 975.5 | 4889. | 9870. | 9730. |
| #2 | 971.5 | 4907. | 9870. | 9636. |
| #3 | 970.8 | 4895. | 9872. | 9677. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9133.4 | 63165. | 9680.8 |
| Stddev | 36.0 | 358. | 64.8 |
| %RSD | .39401 | .56638 | .66960 |

| | | | |
|----|--------|--------|--------|
| #1 | 9092.2 | 63059. | 9732.7 |
| #2 | 9149.8 | 62872. | 9608.1 |
| #3 | 9158.3 | 63564. | 9701.5 |

Sample Name: CCB Acquired: 4/10/2016 14:27:18 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0592 | -.0450 | .6661 | .0325 | .0684 | -7.669 |
| Stddev | 20.25 | 1.023 | .2852 | .3301 | .0532 | 5.788 |
| %RSD | 34210. | 2276. | 42.82 | 1016. | 77.84 | 75.48 |

| | | | | | | |
|----|--------|--------|-------|--------|-------|--------|
| #1 | -13.53 | -.2920 | .6767 | .3505 | .1156 | -.9851 |
| #2 | 23.23 | -.9224 | .9458 | .0555 | .0107 | -10.98 |
| #3 | -9.880 | 1.079 | .3757 | -.3085 | .0787 | -11.04 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0057 | -.0349 | .1084 | -.6593 | 4.710 | 45.06 |
| Stddev | .0886 | .0955 | .8831 | .3030 | 6.349 | 71.96 |
| %RSD | 1560. | 273.7 | 814.9 | 45.95 | 134.8 | 159.7 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|--------|
| #1 | .0048 | .0614 | -.3685 | -.3230 | 12.04 | 127.8 |
| #2 | -.0991 | -.0365 | 1.127 | -.9109 | .9082 | -3.180 |
| #3 | .0773 | -.1296 | -.4338 | -.7439 | 1.182 | 10.60 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 14:27:18 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.68 | -.3318 | 19.02 | -.2097 | .5062 | 1.244 |
| Stddev | 2.89 | .1983 | 33.71 | .2978 | .4018 | 1.062 |
| %RSD | 27.02 | 59.76 | 177.2 | 142.0 | 79.38 | 85.32 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|-------|
| #1 | -11.27 | -.1219 | 56.35 | .0544 | .4482 | .1142 |
| #2 | -13.23 | -.3576 | 9.927 | -.1510 | .1365 | 2.221 |
| #3 | -7.548 | -.5160 | -9.205 | -.5325 | .9339 | 1.398 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9485 | .2593 | -.0037 | -.0700 | .4186 | .4164 |
| Stddev | .8792 | 1.583 | .5173 | .1453 | .4269 | .1043 |
| %RSD | 92.69 | 610.6 | 14000. | 207.7 | 102.0 | 25.06 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|-------|
| #1 | -1.964 | .3368 | .1749 | .0788 | .9044 | .3775 |
| #2 | -.4361 | -1.361 | -.5866 | -.0771 | .2482 | .3371 |
| #3 | -.4458 | 1.802 | .4006 | -.2115 | .1031 | .5346 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 14:27:18 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.206 | .0096 | -.3145 | -6.634 |
| Stddev | .566 | .1841 | .0778 | 4.546 |
| %RSD | 46.93 | 1914. | 24.75 | 68.53 |

| | | | | |
|----|---------------|---------------|---------------|---------------|
| #1 | -.9242 | .1264 | -.2869 | -6.463 |
| #2 | -1.858 | .1050 | -.4023 | -11.26 |
| #3 | -.8368 | -.2026 | -.2542 | -2.176 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9740.4 | 66238. | 9861.6 |
| Stddev | 9.3 | 345. | 46.6 |
| %RSD | .09540 | .52121 | .47235 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9733.2 | 66246. | 9821.3 |
| #2 | 9737.2 | 66579. | 9912.6 |
| #3 | 9750.9 | 65889. | 9851.0 |

Sample Name: CCVL Acquired: 4/10/2016 14:31:12 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 203.9 | 13.73 | 9.805 | 205.6 | 1.972 | 5040. |
| Stddev | 3.7 | 1.35 | .660 | .1 | .085 | 12. |
| %RSD | 1.826 | 9.825 | 6.729 | .0679 | 4.332 | .2372 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 203.1 | 14.25 | 9.548 | 205.6 | 1.911 | 5027. |
| #2 | 207.9 | 12.20 | 10.55 | 205.7 | 2.070 | 5051. |
| #3 | 200.6 | 14.74 | 9.312 | 205.4 | 1.936 | 5042. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.012 | 51.40 | 9.819 | 22.39 | 148.9 | 4743. |
| Stddev | .035 | .40 | .475 | .42 | 5.9 | 41. |
| %RSD | .8689 | .7860 | 4.837 | 1.868 | 3.963 | .8632 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.052 | 51.08 | 9.354 | 22.31 | 145.9 | 4699. |
| #2 | 3.993 | 51.86 | 10.30 | 22.01 | 155.6 | 4779. |
| #3 | 3.991 | 51.27 | 9.799 | 22.84 | 145.0 | 4752. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 14:31:12 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4902. | 15.43 | 4919. | 41.57 | 12.07 | 18.91 |
| Stddev | 41. | .19 | 22. | .82 | .25 | 2.13 |
| %RSD | .8270 | 1.261 | .4384 | 1.970 | 2.098 | 11.24 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4857. | 15.32 | 4936. | 42.46 | 12.04 | 18.78 |
| #2 | 4911. | 15.32 | 4895. | 41.42 | 11.84 | 16.86 |
| #3 | 4937. | 15.66 | 4925. | 40.84 | 12.34 | 21.10 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15.77 | 20.30 | 49.81 | 30.79 | 46.88 | 17.79 |
| Stddev | 2.14 | .57 | .33 | .21 | .44 | .10 |
| %RSD | 13.59 | 2.795 | .6652 | .6721 | .9401 | .5529 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 18.22 | 19.87 | 49.70 | 30.86 | 47.28 | 17.73 |
| #2 | 14.85 | 20.94 | 49.55 | 30.96 | 46.41 | 17.91 |
| #3 | 14.24 | 20.07 | 50.19 | 30.56 | 46.94 | 17.74 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 14:31:12 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 47.91 | 20.13 | 19.10 | F -1.135 |
| Stddev | .37 | .10 | .34 | 6.498 |
| %RSD | .7623 | .5011 | 1.799 | 572.5 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 48.14 | 20.01 | 18.77 | -1.585 |
| #2 | 47.49 | 20.19 | 19.07 | 5.576 |
| #3 | 48.11 | 20.19 | 19.46 | -7.396 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9740.0 | 66381. | 9968.1 |
| Stddev | 9.3 | 82. | 19.2 |
| %RSD | .09585 | .12317 | .19295 |

| | | | |
|----|--------|--------|--------|
| #1 | 9729.2 | 66465. | 9971.9 |
| #2 | 9745.9 | 66302. | 9947.2 |
| #3 | 9744.9 | 66376. | 9985.1 |

Sample Name: ICSA Acquired: 4/10/2016 14:35:02 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 491200. | -3.618 | -.0629 | -2.696 | -.1231 | 483700. |
| Stddev | 2480. | 3.582 | .4960 | .070 | .0891 | 1845. |
| %RSD | .5049 | 99.02 | 788.5 | 2.583 | 72.38 | .3815 |

| | | | | | | |
|----|---------|--------|--------|--------|--------|---------|
| #1 | 488400. | -7.245 | .3213 | -2.747 | -.1380 | 485600. |
| #2 | 492900. | -3.527 | .1128 | -2.724 | -.2038 | 483500. |
| #3 | 492400. | -.0819 | -.6228 | -2.617 | -.0275 | 481900. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1154 | -.3416 | -1.082 | -4.418 | 191500. | 133.5 |
| Stddev | .3406 | .2761 | .765 | .235 | 1107. | 41.8 |
| %RSD | 295.1 | 80.83 | 70.72 | 5.332 | .5778 | 31.31 |

| | | | | | | |
|----|--------|--------|--------|--------|---------|-------|
| #1 | -.0084 | -.0405 | -.5687 | -4.680 | 192500. | 106.8 |
| #2 | .5006 | -.4013 | -1.961 | -4.224 | 191800. | 111.9 |
| #3 | -.1459 | -.5830 | -.7155 | -4.349 | 190300. | 181.6 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: ICSA Acquired: 4/10/2016 14:35:02 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 495100. | -3.034 | 13.77 | -3.077 | .0787 | -2.521 |
| Stddev | 1793. | .022 | 31.02 | .172 | 1.727 | 4.327 |
| %RSD | .3622 | .7351 | 225.3 | 5.599 | 2195. | 171.6 |

| | | | | | | |
|----|---------|--------|--------|--------|--------|--------|
| #1 | 496900. | -3.024 | -13.81 | -3.046 | 1.914 | .6565 |
| #2 | 495100. | -3.018 | 7.763 | -2.922 | -.1639 | -7.450 |
| #3 | 493300. | -3.059 | 47.35 | -3.263 | -1.514 | -.7706 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.284 | -2.962 | -2.751 | -1.849 | -7.269 | -.8596 |
| Stddev | 3.431 | 3.611 | .428 | .231 | .709 | .0443 |
| %RSD | 150.2 | 121.9 | 15.55 | 12.48 | 9.756 | 5.151 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | 3.939 | -5.723 | -2.257 | -1.800 | -8.030 | -.8123 |
| #2 | -1.660 | 1.124 | -2.978 | -1.646 | -6.626 | -.8666 |
| #3 | 4.574 | -4.287 | -3.016 | -2.100 | -7.152 | -.9000 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: ICSA Acquired: 4/10/2016 14:35:02 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -3.039 | -1.348 | -5.825 | 6.154 |
| Stddev | 1.357 | .022 | .437 | 3.517 |
| %RSD | 44.64 | 1.640 | 7.504 | 57.15 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | -1.482 | -1.329 | -6.008 | 3.429 |
| #2 | -3.969 | -1.373 | -6.141 | 10.12 |
| #3 | -3.665 | -1.343 | -5.326 | 4.909 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8769.1 | 60512. | 9635.1 |
| Stddev | 26.7 | 325. | 76.1 |
| %RSD | .30503 | .53671 | .78961 |

| | | | |
|----|--------|--------|--------|
| #1 | 8738.5 | 60146. | 9718.5 |
| #2 | 8781.0 | 60623. | 9569.4 |
| #3 | 8787.8 | 60767. | 9617.5 |

Sample Name: ICSAB Acquired: 4/10/2016 14:39:09 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 498700. | 92.46 | 101.8 | 98.20 | 97.59 | 491300. |
| Stddev | 1586. | 1.36 | .8 | .54 | .13 | 66. |
| %RSD | .3181 | 1.471 | .7409 | .5498 | .1284 | .0134 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 497300. | 92.02 | 102.4 | 97.61 | 97.67 | 491300. |
| #2 | 500400. | 91.37 | 101.0 | 98.67 | 97.65 | 491300. |
| #3 | 498400. | 93.98 | 102.1 | 98.31 | 97.44 | 491400. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.29 | 95.95 | 97.29 | 99.47 | 194500. | 10240. |
| Stddev | .84 | .53 | .55 | .26 | 418. | 51. |
| %RSD | .8772 | .5476 | .5691 | .2638 | .2147 | .4957 |

| | | | | | | |
|----|-------|-------|-------|-------|---------|--------|
| #1 | 95.35 | 96.27 | 97.00 | 99.26 | 194900. | 10180. |
| #2 | 96.09 | 96.24 | 96.94 | 99.37 | 194100. | 10270. |
| #3 | 94.43 | 95.34 | 97.92 | 99.76 | 194600. | 10260. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: ICSAB Acquired: 4/10/2016 14:39:09 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 504000. | 98.19 | 10380. | 92.42 | 96.48 | 96.64 |
| Stddev | 564. | .43 | 34. | .19 | 2.76 | 2.27 |
| %RSD | .1119 | .4362 | .3227 | .2019 | 2.858 | 2.344 |

| | | | | | | |
|----|---------|-------|--------|-------|-------|-------|
| #1 | 503600. | 98.50 | 10340. | 92.62 | 94.51 | 94.26 |
| #2 | 504600. | 97.71 | 10400. | 92.40 | 99.63 | 98.77 |
| #3 | 503700. | 98.37 | 10400. | 92.25 | 95.31 | 96.90 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 92.41 | 93.39 | 95.16 | 92.93 | 93.22 | 91.92 |
| Stddev | 2.14 | 1.77 | .39 | .78 | .78 | .42 |
| %RSD | 2.313 | 1.898 | .4141 | .8408 | .8403 | .4573 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 94.88 | 91.60 | 94.74 | 93.46 | 92.67 | 92.24 |
| #2 | 91.25 | 95.15 | 95.21 | 93.29 | 94.12 | 92.08 |
| #3 | 91.11 | 93.42 | 95.52 | 92.03 | 92.87 | 91.45 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: ICSAB Acquired: 4/10/2016 14:39:09 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 91.65 | 97.85 | 95.79 | 109.4 |
| Stddev | 1.33 | .17 | .16 | 14.3 |
| %RSD | 1.451 | .1692 | .1681 | 13.04 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 91.00 | 97.66 | 95.94 | 113.5 |
| #2 | 93.17 | 97.95 | 95.81 | 121.2 |
| #3 | 90.76 | 97.93 | 95.62 | 93.53 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8731.6 | 59918. | 9408.2 |
| Stddev | 25.4 | 347. | 94.7 |
| %RSD | .29130 | .57920 | 1.0062 |

| | | | |
|----|--------|--------|--------|
| #1 | 8708.1 | 59744. | 9514.0 |
| #2 | 8758.6 | 60318. | 9331.4 |
| #3 | 8728.1 | 59693. | 9379.2 |

Sample Name: INT-A 4154117 Acquired: 4/10/2016 14:43:06 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 195.2 | -8490 | -3.376 | .5477 | -.3154 | 14.89 |
| Stddev | 248.3 | .2360 | .379 | .1508 | .2060 | 16.44 |
| %RSD | 127.2 | 27.80 | 11.23 | 27.54 | 65.30 | 110.4 |
| #1 | 60.62 | -1.103 | -3.512 | .4834 | -.3095 | 33.68 |
| #2 | 481.8 | -.6372 | -2.947 | .7200 | -.1125 | 3.167 |
| #3 | 43.30 | -.8063 | -3.668 | .4397 | -.5243 | 7.834 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5003 | 10180. | -2.702 | -3.330 | 4.233 | -22.29 |
| Stddev | .1206 | 30. | .264 | .448 | 5.842 | 20.24 |
| %RSD | 24.10 | .2989 | 9.756 | 13.46 | 138.0 | 90.79 |
| #1 | -.4602 | 10200. | -2.615 | -3.791 | 9.252 | .5840 |
| #2 | -.4049 | 10190. | -2.493 | -3.303 | 5.628 | -37.86 |
| #3 | -.6358 | 10140. | -2.998 | -2.896 | -2.181 | -29.59 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: INT-A 4154117 Acquired: 4/10/2016 14:43:06 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|----------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.461 | -5.5918 | 46.82 | -2.708 | -.7455 | -2.089 |
| Stddev | 13.30 | .0657 | 6.20 | .411 | .7253 | 1.479 |
| %RSD | 205.9 | 11.10 | 13.25 | 15.19 | 97.29 | 70.81 |
| #1 | 20.59 | -.5772 | 43.99 | -2.809 | -.0355 | -1.573 |
| #2 | 4.606 | -.5346 | 53.93 | -2.255 | -.7159 | -.9371 |
| #3 | -5.815 | -.6635 | 42.54 | -3.058 | -1.485 | -3.757 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.447 | -1.019 | 4900. | -1.562 | 8.907 | -1.817 |
| Stddev | 2.435 | 2.254 | 3. | .126 | .142 | .383 |
| %RSD | 54.76 | 221.3 | .0649 | 8.089 | 1.591 | 21.11 |
| #1 | -7.240 | -1.810 | 4902. | -1.492 | 9.051 | -2.040 |
| #2 | -3.327 | 1.524 | 4900. | -1.486 | 8.768 | -1.374 |
| #3 | -2.773 | -2.771 | 4896. | -1.708 | 8.903 | -2.036 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: INT-A 4154117 Acquired: 4/10/2016 14:43:06 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9741. | 9777. | -1.750 | 10400. |
| Stddev | 26. | 171. | .434 | 195. |
| %RSD | .2681 | 1.748 | 24.78 | 1.875 |

| | | | | |
|----|--------------|--------------|---------------|---------------|
| #1 | 9762. | 9639. | -2.211 | 10200. |
| #2 | 9749. | 9968. | -1.688 | 10410. |
| #3 | 9711. | 9724. | -1.351 | 10590. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9769.8 | 66508. | 9977.3 |
| Stddev | 33.5 | 340. | 152.3 |
| %RSD | .34318 | .51189 | 1.5264 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9731.5 | 66122. | 9844.1 |
| #2 | 9794.0 | 66634. | 9944.5 |
| #3 | 9783.9 | 66767. | 10143. |

Sample Name: INT-B 4154119 Acquired: 4/10/2016 14:47:04 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.385 | 1.255 | .4339 | -.6507 | .4140 | -103.8 |
| Stddev | 8.343 | .528 | .2065 | .0739 | .1195 | 3.5 |
| %RSD | 130.7 | 42.06 | 47.60 | 11.36 | 28.86 | 3.412 |
| #1 | 2.149 | 1.050 | .1955 | -.7360 | .3739 | -103.3 |
| #2 | -6.782 | .8599 | .5602 | -.6108 | .5484 | -107.6 |
| #3 | -14.52 | 1.854 | .5460 | -.6053 | .3197 | -100.5 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2682 | -1.817 | 10040. | 9522. | -52.60 | -34.41 |
| Stddev | .0092 | .206 | 87. | 34. | 3.69 | 29.56 |
| %RSD | 3.416 | 11.34 | .8659 | .3566 | 7.024 | 85.89 |
| #1 | .2681 | -1.644 | 10070. | 9539. | -56.00 | -62.80 |
| #2 | .2591 | -2.045 | 10110. | 9543. | -53.15 | -36.62 |
| #3 | .2774 | -1.763 | 9944. | 9483. | -48.67 | -3.812 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: INT-B 4154119 Acquired: 4/10/2016 14:47:04 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 27.58 | 10050. | -38.56 | 10340. | .1626 | 3.230 |
| Stddev | 3.99 | 82. | 5.51 | 55. | .5751 | 1.308 |
| %RSD | 14.46 | .8156 | 14.29 | .5331 | 353.8 | 40.48 |

| | | | | | | |
|----|-------|--------|--------|--------|--------|-------|
| #1 | 31.19 | 10100. | -35.46 | 10370. | .7802 | 1.726 |
| #2 | 28.25 | 10090. | -35.29 | 10380. | -.3575 | 3.873 |
| #3 | 23.30 | 9951. | -44.92 | 10280. | .0650 | 4.093 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3651 | -3.533 | -3.579 | -.2555 | -8.871 | 4757. |
| Stddev | 2.335 | 1.694 | .678 | .0363 | .654 | 18. |
| %RSD | 639.5 | 47.95 | 18.94 | 14.19 | 7.368 | .3887 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|-------|
| #1 | .6731 | -1.789 | -2.818 | -.2248 | -8.854 | 4770. |
| #2 | 1.270 | -3.636 | -3.802 | -.2955 | -8.226 | 4765. |
| #3 | -3.039 | -5.173 | -4.118 | -.2463 | -9.533 | 4736. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: INT-B 4154119 Acquired: 4/10/2016 14:47:04 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.090 | 1.304 | 9811. | 32.52 |
| Stddev | .412 | .409 | 55. | 30.52 |
| %RSD | 10.07 | 31.40 | .5642 | 93.87 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 4.564 | 1.678 | 9842. | -2.267 |
| #2 | 3.833 | 1.367 | 9844. | 44.99 |
| #3 | 3.871 | .8667 | 9747. | 54.83 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9628.9 | 66312. | 10092. |
| Stddev | 33.0 | 585. | 10. |
| %RSD | .34275 | .88174 | .09811 |

| | | | |
|----|--------|--------|--------|
| #1 | 9611.1 | 65965. | 10086. |
| #2 | 9608.7 | 65984. | 10087. |
| #3 | 9667.0 | 66987. | 10104. |

Sample Name: 460-110314-A-21-C@4 Acquired: 4/10/2016 14:51:01 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36980. | 6.391 | -.6239 | 60.87 | .4142 | 24160. |
| Stddev | 148. | 1.473 | .2229 | .36 | .0183 | 73. |
| %RSD | .3992 | 23.05 | 35.72 | .5903 | 4.412 | .3019 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 36820. | 5.044 | -.8552 | 60.94 | .3986 | 24190. |
| #2 | 37010. | 7.964 | -.4105 | 61.19 | .4343 | 24220. |
| #3 | 37110. | 6.165 | -.6060 | 60.48 | .4097 | 24080. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3951 | 53.14 | 103.0 | 388.7 | 84660. | 5007. |
| Stddev | .1013 | .40 | .8 | .7 | 359. | 54. |
| %RSD | 25.64 | .7581 | .7494 | .1777 | .4244 | 1.081 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.2886 | 53.49 | 103.9 | 389.2 | 84940. | 4972. |
| #2 | -.4902 | 53.22 | 102.4 | 389.0 | 84780. | 4979. |
| #3 | -.4066 | 52.70 | 102.9 | 387.9 | 84250. | 5069. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110314-A-21-C@4 Acquired: 4/10/2016 14:51:01 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 28890. | 667.7 | 2736. | 112.2 | 8.168 | 3.932 |
| Stddev | 93. | 2.3 | 11. | .3 | .943 | 1.739 |
| %RSD | .3209 | .3439 | .4097 | .2859 | 11.55 | 44.24 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 28920. | 669.7 | 2723. | 112.6 | 7.080 | 5.860 |
| #2 | 28970. | 668.1 | 2739. | 112.1 | 8.754 | 3.452 |
| #3 | 28790. | 665.2 | 2745. | 112.0 | 8.671 | 2.482 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.154 | .2712 | 459.4 | 120.6 | 33.17 | 3.104 |
| Stddev | 4.865 | 2.488 | 1.9 | .3 | .53 | .385 |
| %RSD | 117.1 | 917.1 | .4186 | .2657 | 1.608 | 12.41 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -2.468 | -2.579 | 459.9 | 120.7 | 33.67 | 3.344 |
| #2 | -.3557 | 1.390 | 461.0 | 120.8 | 32.61 | 2.660 |
| #3 | -9.637 | 2.003 | 457.2 | 120.2 | 33.23 | 3.308 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110314-A-21-C@4 Acquired: 4/10/2016 14:51:01 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3.696 | 89.05 | 2206. | 409.0 |
| Stddev | .871 | .19 | 8. | 14.8 |
| %RSD | 23.56 | .2129 | .3775 | 3.609 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.292 | 89.00 | 2213. | 396.8 |
| #2 | 2.697 | 88.88 | 2207. | 404.8 |
| #3 | 4.100 | 89.26 | 2197. | 425.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9685.1 | 66481. | 10164. |
| Stddev | 50.2 | 542. | 48. |
| %RSD | .51876 | .81598 | .47014 |

| | | | |
|----|--------|--------|--------|
| #1 | 9627.2 | 65894. | 10115. |
| #2 | 9711.2 | 66586. | 10211. |
| #3 | 9716.9 | 66963. | 10167. |

Sample Name: 460-111539-A-1-B@4 Acquired: 4/10/2016 14:54:47 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11770. | 7.468 | .0550 | 78.66 | .6600 | 1505. |
| Stddev | 40. | 1.688 | .0587 | .11 | .0363 | 8. |
| %RSD | .3388 | 22.60 | 106.7 | .1342 | 5.499 | .5586 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 11720. | 5.630 | .0509 | 78.71 | .7017 | 1502. |
| #2 | 11790. | 8.947 | -.0015 | 78.74 | .6426 | 1515. |
| #3 | 11790. | 7.829 | .1158 | 78.54 | .6357 | 1499. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .9189 | 10.70 | 22.81 | 37.78 | 36400. | 756.0 |
| Stddev | .0338 | .16 | .71 | .72 | 94. | 22.1 |
| %RSD | 3.675 | 1.494 | 3.134 | 1.918 | .2584 | 2.923 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | .9522 | 10.88 | 23.43 | 37.80 | 36350. | 754.2 |
| #2 | .8847 | 10.63 | 22.96 | 38.50 | 36500. | 779.0 |
| #3 | .9197 | 10.59 | 22.03 | 37.05 | 36330. | 734.9 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111539-A-1-B@4 Acquired: 4/10/2016 14:54:47 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2338. | 528.9 | 31.41 | 44.10 | 134.8 | 4.027 |
| Stddev | 22. | 1.2 | 4.69 | .18 | .8 | .712 |
| %RSD | .9561 | .2276 | 14.93 | .3991 | .5585 | 17.67 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2327. | 528.3 | 36.73 | 44.25 | 134.6 | 4.813 |
| #2 | 2364. | 530.2 | 27.86 | 44.14 | 135.6 | 3.427 |
| #3 | 2323. | 528.1 | 29.64 | 43.90 | 134.1 | 3.842 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0189 | 1.607 | 36.01 | 375.8 | -3.419 | -.4364 |
| Stddev | 4.096 | 1.916 | .41 | .8 | .150 | .1253 |
| %RSD | 21670. | 119.3 | 1.133 | .2153 | 4.387 | 28.71 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|--------|
| #1 | -.4370 | 3.753 | 36.25 | 376.1 | -3.592 | -.5670 |
| #2 | -3.831 | .0695 | 36.25 | 376.5 | -3.338 | -.3172 |
| #3 | 4.324 | .9968 | 35.54 | 374.9 | -3.327 | -.4251 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111539-A-1-B@4 Acquired: 4/10/2016 14:54:47 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.398 | 7.739 | 407.9 | 527.8 |
| Stddev | .219 | .086 | .5 | 13.7 |
| %RSD | 4.060 | 1.110 | .1276 | 2.601 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 5.211 | 7.642 | 408.2 | 513.9 |
| #2 | 5.344 | 7.805 | 408.1 | 528.2 |
| #3 | 5.639 | 7.770 | 407.3 | 541.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9830.8 | 67129. | 10190. |
| Stddev | 43.7 | 365. | 29. |
| %RSD | .44436 | .54379 | .28461 |

| | | | |
|----|--------|--------|--------|
| #1 | 9807.6 | 66859. | 10223. |
| #2 | 9803.7 | 66984. | 10175. |
| #3 | 9881.2 | 67544. | 10171. |

Sample Name: 460-111539-A-2-B@4 Acquired: 4/10/2016 14:58:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 13410. | 15.85 | .5132 | 388.7 | .7721 | 11730. |
| Stddev | 64. | 1.14 | .2727 | .4 | .0276 | 48. |
| %RSD | .4779 | 7.170 | 53.13 | .1031 | 3.569 | .4052 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 13330. | 15.94 | .2485 | 388.6 | .7463 | 11710. |
| #2 | 13450. | 14.67 | .4980 | 388.4 | .8011 | 11790. |
| #3 | 13440. | 16.94 | .7932 | 389.2 | .7688 | 11700. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.86 | 15.53 | 90.77 | 189.2 | 58720. | 853.8 |
| Stddev | .20 | .14 | 1.34 | .3 | 115. | 8.1 |
| %RSD | 1.865 | .9325 | 1.477 | .1739 | .1955 | .9531 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 10.94 | 15.39 | 89.26 | 188.8 | 58710. | 845.1 |
| #2 | 10.63 | 15.51 | 91.84 | 189.4 | 58840. | 855.2 |
| #3 | 11.02 | 15.68 | 91.19 | 189.4 | 58610. | 861.1 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111539-A-2-B@4 Acquired: 4/10/2016 14:58:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8205. | 696.2 | 416.8 | 100.3 | 2090. | 5.232 |
| Stddev | 46. | .7 | 7.4 | 1.0 | 6. | 1.267 |
| %RSD | .5602 | .0978 | 1.786 | .9612 | .2670 | 24.21 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 8155. | 696.0 | 410.0 | 99.15 | 2084. | 5.185 |
| #2 | 8246. | 697.0 | 424.8 | 100.8 | 2095. | 3.990 |
| #3 | 8214. | 695.8 | 415.7 | 100.9 | 2091. | 6.522 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.640 | 1.315 | 56.71 | 1066. | -3.044 | 3.551 |
| Stddev | 2.073 | 3.342 | .56 | 7. | .276 | .243 |
| %RSD | 31.23 | 254.2 | .9841 | .6875 | 9.069 | 6.834 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|-------|
| #1 | -8.178 | -8.878 | 56.62 | 1063. | -3.069 | 3.476 |
| #2 | -4.282 | -3.288 | 57.30 | 1074. | -2.756 | 3.354 |
| #3 | -7.460 | 5.160 | 56.20 | 1060. | -3.306 | 3.822 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111539-A-2-B@4 Acquired: 4/10/2016 14:58:35 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 88.40 | 28.25 | 502.9 | 715.3 |
| Stddev | .32 | .10 | .8 | 3.3 |
| %RSD | .3602 | .3463 | .1564 | .4614 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 88.74 | 28.18 | 502.9 | 712.8 |
| #2 | 88.34 | 28.37 | 503.6 | 714.1 |
| #3 | 88.11 | 28.22 | 502.0 | 719.1 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9682.7 | 66284. | 10040. |
| Stddev | 87.4 | 661. | 76. |
| %RSD | .90280 | .99722 | .75723 |

| | | | |
|----|--------|--------|--------|
| #1 | 9670.2 | 65760. | 10072. |
| #2 | 9602.1 | 66065. | 9952.8 |
| #3 | 9775.6 | 67026. | 10094. |

Sample Name: pds 460-111496-A-3-D Acquired: 4/10/2016 15:02:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20330. | 1916. | 52.44 | 2481. | 51.73 | 26300. |
| Stddev | 63. | 4. | .32 | 1. | .17 | 35. |
| %RSD | .3080 | .1886 | .6186 | .0484 | .3282 | .1332 |
| #1 | 20280. | 1912. | 52.11 | 2482. | 51.71 | 26300. |
| #2 | 20310. | 1919. | 52.44 | 2480. | 51.57 | 26270. |
| #3 | 20400. | 1918. | 52.76 | 2480. | 51.91 | 26340. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.40 | 512.4 | 241.7 | 353.6 | 41690. | 19080. |
| Stddev | .15 | 1.3 | 1.7 | 2.7 | 42. | 73. |
| %RSD | .2872 | .2606 | .7137 | .7560 | .0996 | .3813 |
| #1 | 51.34 | 513.3 | 239.8 | 351.6 | 41650. | 18990. |
| #2 | 51.29 | 513.1 | 242.2 | 352.7 | 41700. | 19100. |
| #3 | 51.57 | 510.9 | 243.1 | 356.7 | 41730. | 19130. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds 460-111496-A-3-D Acquired: 4/10/2016 15:02:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 23530. | 1176. | 19680. | 604.3 | 1580. | 469.4 |
| Stddev | 29. | 1. | 37. | .9 | 4. | .2 |
| %RSD | .1245 | .0520 | .1903 | .1408 | .2455 | .0475 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 23540. | 1176. | 19640. | 603.5 | 1580. | 469.4 |
| #2 | 23500. | 1176. | 19700. | 604.2 | 1584. | 469.1 |
| #3 | 23550. | 1177. | 19710. | 605.2 | 1576. | 469.5 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1882. | 2023. | 562.9 | 1495. | 492.9 | 476.7 |
| Stddev | 7. | 14. | 3.1 | 2. | 3.5 | 1.2 |
| %RSD | .3857 | .7104 | .5560 | .1488 | .7131 | .2529 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1884. | 2025. | 560.4 | 1492. | 491.7 | 477.7 |
| #2 | 1874. | 2007. | 561.7 | 1497. | 490.1 | 475.4 |
| #3 | 1887. | 2036. | 566.4 | 1495. | 496.9 | 477.2 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds 460-111496-A-3-D Acquired: 4/10/2016 15:02:20 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 593.1 | 571.7 | 1200. | 1224. |
| Stddev | 1.1 | .4 | 1. | 22. |
| %RSD | .1897 | .0668 | .0799 | 1.786 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 592.3 | 571.8 | 1199. | 1201. |
| #2 | 592.6 | 571.3 | 1200. | 1244. |
| #3 | 594.4 | 572.0 | 1201. | 1227. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9651.2 | 65755. | 9926.8 |
| Stddev | 27.1 | 485. | 29.5 |
| %RSD | .28094 | .73764 | .29753 |

| | | | |
|----|--------|--------|--------|
| #1 | 9620.5 | 65235. | 9892.7 |
| #2 | 9661.1 | 65834. | 9944.2 |
| #3 | 9671.9 | 66196. | 9943.5 |

Sample Name: 460-111496-A-3-F MS Acquired: 4/10/2016 15:05:52 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24050. | 939.5 | 23.33 | 1786. | 26.49 | 20830. |
| Stddev | 150. | 4.1 | .23 | 3. | .16 | 130. |
| %RSD | .6220 | .4354 | .9895 | .1670 | .6072 | .6253 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 23900. | 941.5 | 23.44 | 1787. | 26.36 | 20710. |
| #2 | 24050. | 942.2 | 23.49 | 1788. | 26.44 | 20800. |
| #3 | 24200. | 934.8 | 23.07 | 1782. | 26.67 | 20970. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.38 | 262.5 | 143.4 | 221.7 | 80560. | 10560. |
| Stddev | .10 | .7 | .7 | .5 | 435. | 128. |
| %RSD | .3942 | .2532 | .4783 | .2266 | .5404 | 1.208 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 26.26 | 261.8 | 142.6 | 222.1 | 80140. | 10430. |
| #2 | 26.43 | 262.7 | 143.6 | 221.9 | 80530. | 10570. |
| #3 | 26.45 | 263.1 | 143.9 | 221.2 | 81010. | 10680. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-3-F MS Acquired: 4/10/2016 15:05:52 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 13640. | 1467. | 9779. | 333.6 | 1216. | 175.8 |
| Stddev | 65. | 4. | 45. | 1.2 | 2. | 2.8 |
| %RSD | .4795 | .3029 | .4631 | .3493 | .1524 | 1.575 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 13590. | 1462. | 9739. | 333.4 | 1215. | 175.9 |
| #2 | 13630. | 1466. | 9768. | 332.5 | 1218. | 172.9 |
| #3 | 13710. | 1471. | 9828. | 334.8 | 1214. | 178.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 908.6 | 990.1 | 318.1 | 1291. | 237.4 | 229.6 |
| Stddev | 3.5 | 5.4 | .3 | 2. | .6 | .6 |
| %RSD | .3861 | .5459 | .0934 | .1727 | .2450 | .2783 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 907.8 | 985.5 | 318.0 | 1288. | 237.9 | 228.9 |
| #2 | 905.5 | 996.1 | 317.8 | 1292. | 237.6 | 229.7 |
| #3 | 912.4 | 988.9 | 318.4 | 1291. | 236.8 | 230.1 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-3-F MS Acquired: 4/10/2016 15:05:52 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 257.4 | 340.6 | 1126. | 1643. |
| Stddev | 1.7 | .8 | 2. | 21. |
| %RSD | .6746 | .2483 | .1357 | 1.292 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 255.4 | 340.3 | 1127. | 1641. |
| #2 | 258.6 | 341.6 | 1128. | 1665. |
| #3 | 258.2 | 340.0 | 1125. | 1623. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9646.9 | 65506. | 9758.3 |
| Stddev | 17.2 | 479. | 324.4 |
| %RSD | .17820 | .73132 | 3.3242 |

| | | | |
|----|--------|--------|--------|
| #1 | 9627.1 | 65781. | 9998.0 |
| #2 | 9655.6 | 65784. | 9887.7 |
| #3 | 9658.0 | 64953. | 9389.2 |

Sample Name: 460-111496-A-3-E DU Acquired: 4/10/2016 15:09:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16080. | 14.38 | .5683 | 486.3 | 1.135 | 6008. |
| Stddev | 123. | 1.84 | .4492 | 2.6 | .115 | 32. |
| %RSD | .7661 | 12.82 | 79.04 | .5327 | 10.12 | .5378 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 16230. | 16.49 | .2236 | 489.3 | 1.058 | 6042. |
| #2 | 16020. | 13.58 | .4050 | 485.2 | 1.267 | 6004. |
| #3 | 16010. | 13.07 | 1.076 | 484.5 | 1.081 | 5978. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.327 | 10.88 | 41.91 | 2966. | 39010. | 1415. |
| Stddev | .127 | .33 | .85 | 22. | 200. | 38. |
| %RSD | 5.458 | 3.008 | 2.034 | .7272 | .5136 | 2.718 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 2.469 | 11.25 | 42.06 | 2991. | 39210. | 1397. |
| #2 | 2.224 | 10.74 | 40.99 | 2951. | 39000. | 1460. |
| #3 | 2.288 | 10.64 | 42.67 | 2957. | 38810. | 1389. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-3-E DU Acquired: 4/10/2016 15:09:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3370. | 617.0 | 123.5 | 77.42 | 926.1 | 2.406 |
| Stddev | 19. | 2.8 | 23.8 | 1.17 | 3.0 | 1.635 |
| %RSD | .5731 | .4563 | 19.25 | 1.512 | .3190 | 67.96 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3390. | 620.3 | 149.2 | 78.73 | 928.2 | 3.703 |
| #2 | 3369. | 615.8 | 119.3 | 77.05 | 927.3 | 2.946 |
| #3 | 3351. | 615.1 | 102.2 | 76.48 | 922.7 | .5692 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .4426 | .3219 | 67.37 | 974.0 | -1.676 | .1421 |
| Stddev | 2.374 | 1.193 | 1.26 | .6 | .997 | .5393 |
| %RSD | 536.3 | 370.7 | 1.872 | .0574 | 59.47 | 379.5 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|--------|
| #1 | 3.100 | .4966 | 68.83 | 974.1 | -.5254 | .7347 |
| #2 | -1.467 | -.9492 | 66.56 | 974.5 | -2.280 | .0116 |
| #3 | -.3048 | 1.418 | 66.73 | 973.4 | -2.222 | -.3200 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-3-E DU Acquired: 4/10/2016 15:09:30 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 16.67 | 60.20 | 734.9 | 1057. |
| Stddev | .55 | .49 | 4.5 | 16. |
| %RSD | 3.316 | .8222 | .6109 | 1.556 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 16.71 | 60.75 | 740.1 | 1076. |
| #2 | 16.11 | 60.04 | 732.5 | 1047. |
| #3 | 17.21 | 59.80 | 732.2 | 1048. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9869.7 | 67377. | 10148. |
| Stddev | 36.2 | 181. | 46. |
| %RSD | .36691 | .26796 | .45256 |

| | | | |
|----|--------|--------|--------|
| #1 | 9827.9 | 67187. | 10126. |
| #2 | 9889.9 | 67397. | 10201. |
| #3 | 9891.4 | 67547. | 10117. |

Sample Name: CCV Acquired: 4/10/2016 15:13:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121400. | 2441. | 1213. | 9918. | 986.5 | 122900. |
| Stddev | 483. | 13. | 5. | 14. | 2.8 | 467. |
| %RSD | .3979 | .5342 | .3731 | .1450 | .2873 | .3797 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 121400. | 2426. | 1208. | 9923. | 984.2 | 122700. |
| #2 | 121900. | 2447. | 1216. | 9929. | 989.7 | 123500. |
| #3 | 120900. | 2450. | 1216. | 9902. | 985.7 | 122600. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1226. | 2448. | 4971. | 12240. | 98830. | 48230. |
| Stddev | 1. | 3. | 18. | 55. | 298. | 139. |
| %RSD | .1150 | .1395 | .3600 | .4512 | .3017 | .2877 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1227. | 2445. | 4954. | 12180. | 98680. | 48200. |
| #2 | 1226. | 2452. | 4989. | 12240. | 99170. | 48380. |
| #3 | 1224. | 2449. | 4971. | 12290. | 98640. | 48110. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 15:13:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 123300. | 5040. | 123100. | 2474. | 7374. | 973.5 |
| Stddev | 555. | 16. | 458. | 4. | 18. | 3.2 |
| %RSD | .4500 | .3223 | .3721 | .1693 | .2424 | .3283 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 122900. | 5028. | 123200. | 2471. | 7386. | 970.5 |
| #2 | 124000. | 5059. | 123500. | 2478. | 7382. | 973.2 |
| #3 | 123100. | 5034. | 122600. | 2471. | 7353. | 976.9 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2404. | 2456. | 2459. | 2469. | 970.1 | 2408. |
| Stddev | 21. | 8. | 5. | 8. | 8.6 | 3. |
| %RSD | .8641 | .3242 | .2059 | .3155 | .8814 | .1413 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2383. | 2464. | 2453. | 2476. | 960.2 | 2405. |
| #2 | 2405. | 2448. | 2463. | 2469. | 974.3 | 2412. |
| #3 | 2424. | 2455. | 2460. | 2461. | 975.7 | 2408. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 15:13:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 973.5 | 4891. | 9972. | 9644. |
| Stddev | 2.6 | 10. | 33. | 67. |
| %RSD | .2701 | .2028 | .3319 | .6953 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 971.1 | 4890. | 9934. | 9570. |
| #2 | 976.3 | 4902. | 9996. | 9662. |
| #3 | 973.2 | 4882. | 9986. | 9700. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9192.5 | 63000. | 9719.2 |
| Stddev | 7.1 | 242. | 109.9 |
| %RSD | .07710 | .38337 | 1.1311 |

| | | | |
|----|--------|--------|--------|
| #1 | 9186.3 | 62983. | 9619.3 |
| #2 | 9191.0 | 62768. | 9701.2 |
| #3 | 9200.3 | 63250. | 9837.0 |

Sample Name: CCB Acquired: 4/10/2016 15:16:46 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.274 | -.9392 | .3684 | -.2388 | .0271 | -18.37 |
| Stddev | 13.91 | .6219 | .4131 | .1374 | .0900 | 8.21 |
| %RSD | 191.2 | 66.21 | 112.2 | 57.52 | 332.2 | 44.68 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | 9.094 | -1.615 | .3885 | -.3000 | .0325 | -13.59 |
| #2 | -7.456 | -.8115 | .7710 | -.0815 | -.0655 | -27.85 |
| #3 | 20.18 | -.3911 | -.0545 | -.3349 | .1143 | -13.67 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0154 | -.2276 | -1.023 | -1.145 | -5.538 | -8.159 |
| Stddev | .0548 | .0866 | .086 | .474 | 5.081 | 53.10 |
| %RSD | 354.9 | 38.06 | 8.379 | 41.36 | 91.74 | 650.8 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | .0029 | -.1456 | -.9742 | -.7480 | -7.752 | 35.51 |
| #2 | -.0320 | -.2190 | -1.122 | -1.670 | .2740 | 7.285 |
| #3 | .0754 | -.3183 | -.9737 | -1.018 | -9.136 | -67.27 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 15:16:46 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.47 | -4.830 | -29.84 | -5.842 | -4.174 | 1.272 |
| Stddev | 6.34 | .0731 | 20.04 | .3762 | .6204 | 1.375 |
| %RSD | 55.27 | 15.14 | 67.15 | 64.39 | 148.6 | 108.1 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -11.98 | -4.025 | -6.732 | -.1607 | -.2204 | -.1843 |
| #2 | -4.893 | -.5015 | -40.42 | -.8795 | -1.112 | 2.548 |
| #3 | -17.54 | -.5452 | -42.37 | -.7123 | .0806 | 1.452 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.644 | .0985 | .2317 | -.1150 | -2.155 | -.5198 |
| Stddev | 2.020 | .1037 | .1502 | .0508 | .501 | .1306 |
| %RSD | 122.8 | 105.2 | 64.83 | 44.15 | 23.27 | 25.12 |

| | | | | | | |
|----|--------|--------|-------|--------|--------|--------|
| #1 | -.6824 | -.0122 | .3472 | -.1440 | -1.621 | -.3760 |
| #2 | 2.950 | .1147 | .0619 | -.0564 | -2.616 | -.5522 |
| #3 | 2.666 | .1932 | .2861 | -.1446 | -2.226 | -.6310 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 15:16:46 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|----------------|----------------|----------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | - .7332 | - .2127 | - .8755 | 2.124 |
| Stddev | .1856 | .0590 | .3247 | 18.19 |
| %RSD | 25.32 | 27.72 | 37.09 | 856.4 |

| | | | | |
|----|----------------|----------------|----------------|----------------|
| #1 | - .5188 | - .1698 | - 1.231 | 23.13 |
| #2 | - .8425 | - .1884 | - .8012 | - 8.679 |
| #3 | - .8382 | - .2799 | - .5944 | - 8.075 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9675.5 | 65599. | 9893.6 |
| Stddev | 10.3 | 616. | 193.3 |
| %RSD | .10664 | .93858 | 1.9539 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9684.2 | 66257. | 10107. |
| #2 | 9678.2 | 65501. | 9730.2 |
| #3 | 9664.1 | 65038. | 9843.5 |

Sample Name: CCVL Acquired: 4/10/2016 15:20:40 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.7 | 14.80 | 9.683 | 206.5 | 2.009 | 5068. |
| Stddev | 10.6 | 1.49 | .450 | .2 | .041 | 18. |
| %RSD | 5.350 | 10.07 | 4.642 | .0868 | 2.053 | .3639 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 196.3 | 14.26 | 9.562 | 206.3 | 1.965 | 5056. |
| #2 | 210.4 | 13.65 | 10.18 | 206.7 | 2.047 | 5090. |
| #3 | 189.5 | 16.48 | 9.306 | 206.4 | 2.015 | 5059. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.010 | 51.48 | 9.948 | 23.45 | 151.7 | 4688. |
| Stddev | .037 | .25 | .600 | .57 | 2.4 | 24. |
| %RSD | .9125 | .4920 | 6.027 | 2.446 | 1.596 | .5127 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.036 | 51.46 | 10.62 | 23.97 | 149.9 | 4694. |
| #2 | 4.027 | 51.74 | 9.741 | 23.55 | 154.5 | 4708. |
| #3 | 3.968 | 51.23 | 9.479 | 22.83 | 150.7 | 4661. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 15:20:40 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4939. | 15.60 | 4917. | 41.53 | 11.28 | 19.51 |
| Stddev | 25. | .08 | 7. | .25 | .69 | 1.89 |
| %RSD | .5041 | .5434 | .1482 | .5902 | 6.147 | 9.699 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4919. | 15.57 | 4910. | 41.81 | 10.68 | 20.88 |
| #2 | 4967. | 15.70 | 4918. | 41.34 | 11.12 | 17.35 |
| #3 | 4930. | 15.54 | 4924. | 41.45 | 12.04 | 20.31 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.19 | 19.63 | 50.43 | 30.93 | 45.62 | 17.66 |
| Stddev | .88 | 2.73 | .15 | .14 | .33 | .25 |
| %RSD | 5.445 | 13.91 | .3055 | .4603 | .7193 | 1.401 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 15.21 | 16.81 | 50.35 | 30.76 | 45.63 | 17.43 |
| #2 | 16.92 | 22.26 | 50.61 | 31.02 | 45.95 | 17.92 |
| #3 | 16.44 | 19.81 | 50.33 | 30.99 | 45.29 | 17.64 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 15:20:40 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 47.66 | 19.96 | 19.18 | F 3.414 |
| Stddev | .54 | .04 | .17 | 3.657 |
| %RSD | 1.127 | .2166 | .8713 | 107.1 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 47.51 | 19.93 | 19.34 | -.7907 |
| #2 | 48.26 | 20.01 | 19.01 | 5.181 |
| #3 | 47.21 | 19.94 | 19.20 | 5.852 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9715.1 | 65952. | 9961.9 |
| Stddev | 19.2 | 285. | 60.4 |
| %RSD | .19793 | .43277 | .60586 |

| | | | |
|----|--------|--------|--------|
| #1 | 9693.0 | 65779. | 9907.4 |
| #2 | 9727.7 | 65795. | 10027. |
| #3 | 9724.6 | 66281. | 9951.5 |

Sample Name: 460-111496-A-3-D@4 Acquired: 4/10/2016 15:24:31 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18410. | 14.38 | .3401 | 497.5 | 1.198 | 6782. |
| Stddev | 12. | 1.35 | .3375 | .9 | .065 | 50. |
| %RSD | .0633 | 9.386 | 99.23 | .1838 | 5.422 | .7330 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 18400. | 13.03 | .6642 | 497.5 | 1.169 | 6737. |
| #2 | 18420. | 14.39 | .3654 | 498.4 | 1.153 | 6836. |
| #3 | 18420. | 15.73 | -.0093 | 496.6 | 1.273 | 6774. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.949 | 12.83 | 36.20 | 110.4 | 41230. | 1411. |
| Stddev | .030 | .38 | .63 | .4 | 89. | 11. |
| %RSD | 1.522 | 2.956 | 1.732 | .3921 | .2159 | .7613 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 1.961 | 12.88 | 35.51 | 110.0 | 41230. | 1419. |
| #2 | 1.970 | 13.17 | 36.74 | 110.3 | 41330. | 1416. |
| #3 | 1.915 | 12.42 | 36.35 | 110.9 | 41150. | 1399. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-3-D@4 Acquired: 4/10/2016 15:24:31 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4317. | 675.0 | 140.5 | 95.18 | 1104. | 1.330 |
| Stddev | 36. | 1.2 | 4.3 | .54 | 3. | 1.000 |
| %RSD | .8335 | .1728 | 3.096 | .5663 | .2342 | 75.20 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4284. | 674.7 | 143.4 | 95.29 | 1101. | .8134 |
| #2 | 4356. | 676.3 | 142.5 | 94.59 | 1105. | 2.482 |
| #3 | 4311. | 674.0 | 135.5 | 95.65 | 1107. | .6936 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.122 | .6191 | 65.49 | 1005. | -2.538 | -.0891 |
| Stddev | 2.946 | 1.093 | .58 | 2. | .352 | .2371 |
| %RSD | 262.7 | 176.5 | .8870 | .2354 | 13.86 | 266.0 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|--------|
| #1 | 1.636 | 1.682 | 64.84 | 1007. | -2.850 | .1842 |
| #2 | -4.226 | -.5013 | 65.96 | 1002. | -2.606 | -.2392 |
| #3 | -.7740 | .6769 | 65.68 | 1005. | -2.157 | -.2125 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-3-D@4 Acquired: 4/10/2016 15:24:31 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 101.4 | 83.29 | 696.1 | 1197. |
| Stddev | .7 | .72 | 1.9 | 30. |
| %RSD | .6581 | .8595 | .2679 | 2.496 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 101.6 | 82.81 | 697.8 | 1173. |
| #2 | 102.0 | 82.95 | 696.3 | 1187. |
| #3 | 100.7 | 84.11 | 694.1 | 1230. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9720.2 | 66174. | 10141. |
| Stddev | 71.4 | 494. | 130. |
| %RSD | .73490 | .74674 | 1.2865 |

| | | | |
|----|--------|--------|--------|
| #1 | 9638.9 | 65844. | 10018. |
| #2 | 9773.2 | 65936. | 10128. |
| #3 | 9748.3 | 66742. | 10278. |

Sample Name: sd460-111496-A-3-D Acquired: 4/10/2016 15:28:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3743. | 2.585 | .2357 | 99.61 | .2107 | 1370. |
| Stddev | 13. | .555 | .2573 | .31 | .1357 | 8. |
| %RSD | .3340 | 21.48 | 109.2 | .3115 | 64.40 | .6090 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|-------|
| #1 | 3752. | 2.202 | .3054 | 99.96 | .3573 | 1362. |
| #2 | 3748. | 2.332 | -.0492 | 99.42 | .1855 | 1378. |
| #3 | 3729. | 3.222 | .4509 | 99.44 | .0894 | 1368. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2346 | 2.243 | 7.112 | 20.29 | 8523. | 218.1 |
| Stddev | .0824 | .213 | .500 | .36 | 30. | 40.0 |
| %RSD | 35.11 | 9.479 | 7.034 | 1.794 | .3540 | 18.34 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .1456 | 1.998 | 7.358 | 20.21 | 8488. | 180.9 |
| #2 | .2500 | 2.353 | 7.442 | 19.97 | 8542. | 260.4 |
| #3 | .3081 | 2.377 | 6.537 | 20.69 | 8538. | 213.1 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111496-A-3-D Acquired: 4/10/2016 15:28:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 866.0 | 139.5 | -18.14 | 19.48 | 223.1 | .6156 |
| Stddev | 7.1 | .8 | 5.96 | .59 | .7 | .3444 |
| %RSD | .8212 | .5474 | 32.89 | 3.047 | .2957 | 55.95 |
| #1 | 860.1 | 138.6 | -16.77 | 19.13 | 223.8 | .7741 |
| #2 | 863.8 | 140.0 | -12.97 | 20.16 | 223.1 | .2204 |
| #3 | 873.9 | 139.8 | -24.66 | 19.14 | 222.5 | .8523 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.435 | -2.035 | 13.07 | 208.4 | -3.163 | -1.944 |
| Stddev | .338 | 1.430 | .11 | .3 | .266 | .216 |
| %RSD | 9.825 | 70.29 | .8033 | .1522 | 8.400 | 11.13 |
| #1 | -3.217 | -.7405 | 13.19 | 208.1 | -3.306 | -1.960 |
| #2 | -3.265 | -1.793 | 13.00 | 208.7 | -3.328 | -2.152 |
| #3 | -3.824 | -3.570 | 13.03 | 208.2 | -2.857 | -1.720 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111496-A-3-D Acquired: 4/10/2016 15:28:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 19.62 | 16.60 | 140.1 | 237.3 |
| Stddev | .34 | .12 | .7 | 3.5 |
| %RSD | 1.741 | .7108 | .5058 | 1.495 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 19.70 | 16.53 | 139.3 | 240.5 |
| #2 | 19.24 | 16.74 | 140.5 | 233.5 |
| #3 | 19.91 | 16.54 | 140.5 | 238.0 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9641.9 | 65197. | 9762.2 |
| Stddev | 4.8 | 472. | 133.2 |
| %RSD | .04956 | .72353 | 1.3649 |

| | | | |
|----|--------|--------|--------|
| #1 | 9643.6 | 65741. | 9915.6 |
| #2 | 9645.6 | 64924. | 9695.4 |
| #3 | 9636.5 | 64925. | 9675.5 |

Sample Name: MB 460-361465/1-A@2 Acquired: 4/10/2016 15:32:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.520 | -1.381 | .2603 | -.2832 | .0859 | -13.36 |
| Stddev | 3.828 | .821 | .3164 | .0617 | .1669 | 1.61 |
| %RSD | 108.8 | 59.43 | 121.5 | 21.77 | 194.1 | 12.02 |
| #1 | 7.664 | -1.947 | .5409 | -.2346 | -.0827 | -14.56 |
| #2 | 2.781 | -.4397 | -.0826 | -.2624 | .2510 | -13.97 |
| #3 | .1149 | -1.756 | .3226 | -.3525 | .0896 | -11.53 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1956 | -.3065 | -.0643 | -1.996 | 9.190 | -63.10 |
| Stddev | .0280 | .1551 | .2753 | .397 | 7.054 | 21.62 |
| %RSD | 14.29 | 50.59 | 428.1 | 19.89 | 76.76 | 34.26 |
| #1 | -.1687 | -.3475 | .0761 | -1.570 | 5.315 | -78.08 |
| #2 | -.2245 | -.4370 | .1125 | -2.061 | 17.33 | -72.89 |
| #3 | -.1935 | -.1351 | -.3815 | -2.357 | 4.924 | -38.32 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361465/1-A@2 Acquired: 4/10/2016 15:32:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.39 | -.4322 | -58.88 | -.0131 | .4610 | .6993 |
| Stddev | 1.55 | .0139 | 8.10 | .2868 | .8320 | 1.058 |
| %RSD | 14.90 | 3.224 | 13.76 | 2187. | 180.4 | 151.3 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -8.998 | -.4166 | -58.59 | -.2216 | 1.252 | 1.264 |
| #2 | -10.11 | -.4434 | -67.13 | .3140 | .5374 | 1.356 |
| #3 | -12.05 | -.4367 | -50.93 | -.1317 | -.4065 | -.5212 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.051 | -3.584 | -.2624 | 1.190 | -2.918 | -2.330 |
| Stddev | 2.072 | 2.148 | .3617 | .083 | .312 | .235 |
| %RSD | 101.1 | 59.93 | 137.9 | 7.013 | 10.68 | 10.07 |

| | | | | | | |
|----|--------|--------|--------|-------|--------|--------|
| #1 | -4.439 | -3.343 | -.6664 | 1.227 | -2.558 | -2.121 |
| #2 | -.7288 | -5.842 | .0313 | 1.248 | -3.106 | -2.584 |
| #3 | -.9840 | -1.567 | -.1519 | 1.094 | -3.089 | -2.286 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361465/1-A@2 Acquired: 4/10/2016 15:32:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.074 | -.0934 | -2.229 | 9.471 |
| Stddev | .664 | .0664 | .180 | 3.236 |
| %RSD | 7.317 | 71.06 | 8.061 | 34.16 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | 9.528 | -.1679 | -2.152 | 8.329 |
| #2 | 9.383 | -.0406 | -2.101 | 13.12 |
| #3 | 8.312 | -.0717 | -2.435 | 6.962 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9692.9 | 66254. | 10099. |
| Stddev | 42.9 | 1289. | 248. |
| %RSD | .44248 | 1.9450 | 2.4577 |

| | | | |
|----|--------|--------|--------|
| #1 | 9645.7 | 64767. | 9813.1 |
| #2 | 9729.4 | 67043. | 10253. |
| #3 | 9703.6 | 66953. | 10232. |

Sample Name: LCSSRM 460-361465/2- Acquired: 4/10/2016 15:36:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 39110. | 743.6 | 156.0 | 1130. | 507.4 | 29200. |
| Stddev | 354. | 8.6 | 2.5 | 15. | 5.1 | 430. |
| %RSD | .9046 | 1.150 | 1.596 | 1.315 | 1.011 | 1.474 |
| #1 | 38850. | 734.5 | 153.7 | 1116. | 503.1 | 28770. |
| #2 | 38960. | 744.9 | 155.7 | 1128. | 506.2 | 29200. |
| #3 | 39510. | 751.5 | 158.7 | 1145. | 513.1 | 29630. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 459.9 | 833.1 | 767.6 | 892.1 | 74810. | 11540. |
| Stddev | 5.5 | 10.4 | 9.9 | 9.4 | 959. | 165. |
| %RSD | 1.190 | 1.250 | 1.290 | 1.056 | 1.282 | 1.428 |
| #1 | 454.6 | 822.7 | 757.3 | 882.2 | 73850. | 11430. |
| #2 | 459.5 | 833.1 | 768.3 | 893.1 | 74810. | 11450. |
| #3 | 465.5 | 843.5 | 777.1 | 901.0 | 75770. | 11730. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: LCSSRM 460-361465/2- Acquired: 4/10/2016 15:36:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 13340. | 1696. | 4239. | 718.3 | 774.8 | 417.1 |
| Stddev | 164. | 21. | 41. | 11.2 | 11.0 | 7.8 |
| %RSD | 1.232 | 1.245 | .9746 | 1.557 | 1.424 | 1.881 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 13180. | 1675. | 4206. | 708.1 | 764.5 | 409.3 |
| #2 | 13330. | 1695. | 4225. | 716.4 | 773.5 | 417.2 |
| #3 | 13500. | 1718. | 4285. | 730.2 | 786.5 | 425.0 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 891.6 | 769.2 | 589.8 | 1026. | 685.0 | 603.0 |
| Stddev | 13.4 | 11.7 | 5.9 | 11. | 11.5 | 8.4 |
| %RSD | 1.498 | 1.521 | 1.002 | 1.100 | 1.681 | 1.385 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 880.8 | 757.9 | 583.5 | 1017. | 673.5 | 594.6 |
| #2 | 887.3 | 768.3 | 590.6 | 1023. | 684.9 | 602.9 |
| #3 | 906.5 | 781.3 | 595.3 | 1039. | 696.5 | 611.3 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: LCSSRM 460-361465/2- Acquired: 4/10/2016 15:36:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 740.6 | 529.1 | 1694. | 2115. |
| Stddev | 10.2 | 4.8 | 18. | 34. |
| %RSD | 1.372 | .9115 | 1.046 | 1.589 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 730.6 | 526.0 | 1676. | 2077. |
| #2 | 740.2 | 526.8 | 1693. | 2126. |
| #3 | 751.0 | 534.7 | 1712. | 2142. |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9793.7 | 66667. | 10264. |
| Stddev | 44.1 | 253. | 71. |
| %RSD | .45030 | .37994 | .69276 |

| | | | |
|----|--------|--------|--------|
| #1 | 9743.2 | 66383. | 10186. |
| #2 | 9813.6 | 66748. | 10324. |
| #3 | 9824.4 | 66870. | 10284. |

Sample Name: 460-111496-A-1-B@4 Acquired: 4/10/2016 15:39:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16570. | 9.953 | .6892 | 2049. | .8436 | 2610. |
| Stddev | 36. | .318 | .1598 | 9. | .0844 | 12. |
| %RSD | .2164 | 3.194 | 23.18 | .4406 | 10.01 | .4615 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 16530. | 10.22 | .7824 | 2054. | .9410 | 2597. |
| #2 | 16600. | 9.603 | .5048 | 2055. | .7984 | 2612. |
| #3 | 16580. | 10.03 | .7806 | 2039. | .7914 | 2620. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .6966 | 10.84 | 30.26 | 94.35 | 33030. | 788.5 |
| Stddev | .0771 | .41 | .93 | .90 | 43. | 12.1 |
| %RSD | 11.07 | 3.820 | 3.063 | .9558 | .1306 | 1.534 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | .7828 | 11.30 | 30.74 | 95.01 | 33060. | 776.1 |
| #2 | .6342 | 10.49 | 29.19 | 94.71 | 33040. | 789.0 |
| #3 | .6728 | 10.74 | 30.85 | 93.32 | 32980. | 800.3 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-1-B@4 Acquired: 4/10/2016 15:39:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2749. | 872.4 | 8.908 | 39.01 | 10090. | 1.985 |
| Stddev | 6. | .7 | 4.523 | .34 | 26. | .788 |
| %RSD | .2290 | .0750 | 50.78 | .8845 | .2581 | 39.68 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 2745. | 871.9 | 4.058 | 38.71 | 10100. | 2.863 |
| #2 | 2747. | 873.2 | 13.01 | 38.92 | 10110. | 1.338 |
| #3 | 2756. | 872.3 | 9.657 | 39.38 | 10060. | 1.756 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|----------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .6684 | -1.4870 | 33.05 | 675.6 | -1.174 | -1.020 |
| Stddev | 1.608 | 1.007 | .28 | 2.1 | .816 | .119 |
| %RSD | 240.5 | 206.7 | .8476 | .3153 | 69.51 | 11.69 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|--------|
| #1 | -1.136 | .6755 | 32.84 | 674.3 | -.4073 | -1.157 |
| #2 | 1.949 | -1.061 | 33.37 | 678.1 | -1.084 | -.9686 |
| #3 | 1.192 | -1.076 | 32.93 | 674.5 | -2.032 | -.9355 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-1-B@4 Acquired: 4/10/2016 15:39:35 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.59 | 49.02 | 615.7 | 934.1 |
| Stddev | .62 | .19 | 1.7 | 15.0 |
| %RSD | 5.825 | .3964 | .2761 | 1.611 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 10.85 | 48.91 | 617.2 | 928.6 |
| #2 | 11.03 | 48.91 | 616.0 | 922.6 |
| #3 | 9.885 | 49.25 | 613.9 | 951.2 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9697.2 | 65828. | 10066. |
| Stddev | 5.2 | 86. | 51. |
| %RSD | .05328 | .13085 | .50962 |

| | | | |
|----|--------|--------|--------|
| #1 | 9701.4 | 65740. | 10121. |
| #2 | 9691.4 | 65832. | 10057. |
| #3 | 9698.7 | 65913. | 10020. |

Sample Name: 460-111496-A-2-B@4 Acquired: 4/10/2016 15:43:20 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18130. | 25.14 | .7641 | 1310. | .8799 | 28180. |
| Stddev | 45. | .84 | .2390 | 4. | .0257 | 98. |
| %RSD | .2478 | 3.350 | 31.28 | .2971 | 2.917 | .3486 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|---------------|
| #1 | 18090. | 25.28 | .9786 | 1312. | .9086 | 28280. |
| #2 | 18110. | 24.23 | .8073 | 1313. | .8591 | 28080. |
| #3 | 18180. | 25.90 | .5064 | 1306. | .8719 | 28180. |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.152 | 16.35 | 60.64 | 216.8 | 79350. | 1475. |
| Stddev | .090 | .29 | .67 | .6 | 193. | 27. |
| %RSD | 1.261 | 1.757 | 1.106 | .2912 | .2430 | 1.859 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|---------------|--------------|
| #1 | 7.134 | 16.68 | 60.72 | 216.4 | 79570. | 1465. |
| #2 | 7.250 | 16.17 | 61.27 | 217.5 | 79190. | 1506. |
| #3 | 7.073 | 16.18 | 59.93 | 216.4 | 79300. | 1453. |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-2-B@4 Acquired: 4/10/2016 15:43:20 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9523. | 862.5 | 132.0 | 55.91 | 5555. | 7.581 |
| Stddev | 27. | 2.6 | 8.0 | .10 | 9. | 1.401 |
| %RSD | .2870 | .3018 | 6.038 | .1776 | .1539 | 18.48 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 9537. | 865.2 | 122.9 | 56.01 | 5549. | 8.819 |
| #2 | 9491. | 860.0 | 137.6 | 55.91 | 5565. | 7.865 |
| #3 | 9540. | 862.4 | 135.6 | 55.81 | 5551. | 6.060 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5839 | 3.016 | 61.87 | 1807. | 6.228 | 1.425 |
| Stddev | 2.342 | 4.161 | .16 | 7. | .809 | .295 |
| %RSD | 401.2 | 138.0 | .2562 | .3825 | 12.99 | 20.70 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -2.102 | -1.788 | 61.99 | 1800. | 7.138 | 1.717 |
| #2 | -1.763 | 5.397 | 61.69 | 1813. | 5.953 | 1.432 |
| #3 | 2.114 | 5.439 | 61.93 | 1810. | 5.592 | 1.127 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-2-B@4 Acquired: 4/10/2016 15:43:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 35.60 | 123.2 | 610.1 | 832.6 |
| Stddev | .29 | .5 | .4 | 25.6 |
| %RSD | .8176 | .3925 | .0713 | 3.073 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 35.27 | 122.8 | 610.2 | 803.1 |
| #2 | 35.73 | 123.0 | 610.4 | 848.8 |
| #3 | 35.80 | 123.7 | 609.6 | 846.0 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9645.5 | 65916. | 10201. |
| Stddev | 11.8 | 803. | 172. |
| %RSD | .12248 | 1.2181 | 1.6828 |

| | | | |
|----|--------|--------|--------|
| #1 | 9657.0 | 65011. | 10063. |
| #2 | 9646.1 | 66541. | 10393. |
| #3 | 9633.4 | 66196. | 10148. |

Sample Name: 460-111496-A-4-B@4 Acquired: 4/10/2016 15:47:06 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18870. | 11.14 | .5062 | 340.7 | 1.007 | 2520. |
| Stddev | 66. | 1.43 | .1470 | .7 | .045 | 18. |
| %RSD | .3524 | 12.89 | 29.03 | .2137 | 4.457 | .7253 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 18800. | 9.495 | .6760 | 341.5 | 1.057 | 2500. |
| #2 | 18930. | 12.15 | .4219 | 340.2 | .9944 | 2525. |
| #3 | 18870. | 11.76 | .4209 | 340.3 | .9696 | 2535. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .6776 | 16.11 | 33.38 | 101.6 | 37810. | 818.8 |
| Stddev | .0742 | .10 | .59 | .9 | 165. | 15.3 |
| %RSD | 10.95 | .5954 | 1.761 | .8804 | .4376 | 1.866 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | .7147 | 16.01 | 32.96 | 101.3 | 37630. | 802.7 |
| #2 | .5922 | 16.12 | 33.13 | 100.9 | 37960. | 820.5 |
| #3 | .7259 | 16.20 | 34.06 | 102.6 | 37840. | 833.2 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-4-B@4 Acquired: 4/10/2016 15:47:06 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3097. | 1158. | 4.970 | 52.62 | 3767. | 2.092 |
| Stddev | 30. | 3. | 7.838 | .42 | 7. | 1.548 |
| %RSD | .9786 | .2946 | 157.7 | .7964 | .1740 | 74.00 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|-------|
| #1 | 3068. | 1155. | 1.185 | 52.84 | 3775. | 2.146 |
| #2 | 3095. | 1161. | -.2571 | 52.89 | 3762. | .5177 |
| #3 | 3129. | 1160. | 13.98 | 52.14 | 3764. | 3.613 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6624 | .0291 | 36.46 | 763.0 | -2.132 | -.9826 |
| Stddev | .1701 | 2.742 | .25 | .7 | .631 | .0916 |
| %RSD | 25.68 | 9428. | .6980 | .0901 | 29.59 | 9.318 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|--------|
| #1 | -.6810 | 1.765 | 36.22 | 763.7 | -1.813 | -1.047 |
| #2 | -.8223 | 1.455 | 36.73 | 762.9 | -2.859 | -.8777 |
| #3 | -.4837 | -3.132 | 36.44 | 762.3 | -1.725 | -1.023 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111496-A-4-B@4 Acquired: 4/10/2016 15:47:06 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.006 | 19.45 | 609.6 | 823.1 |
| Stddev | .625 | .08 | 1.2 | 12.3 |
| %RSD | 7.802 | .4061 | .2046 | 1.499 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 8.706 | 19.44 | 608.2 | 831.2 |
| #2 | 7.506 | 19.38 | 610.1 | 808.9 |
| #3 | 7.806 | 19.54 | 610.6 | 829.2 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9729.5 | 66601. | 10240. |
| Stddev | 24.1 | 50. | 35. |
| %RSD | .24735 | .07499 | .34046 |

| | | | |
|----|--------|--------|--------|
| #1 | 9701.9 | 66643. | 10268. |
| #2 | 9740.9 | 66615. | 10201. |
| #3 | 9745.8 | 66546. | 10252. |

Sample Name: 460-110302-A-2-D@4 Acquired: 4/10/2016 15:50:51 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 63510. | 33.72 | -.3228 | 455.7 | 4.667 | 9433. |
| Stddev | 339. | 1.41 | .3572 | 1.1 | .160 | 38. |
| %RSD | .5330 | 4.190 | 110.6 | .2316 | 3.423 | .4065 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 63200. | 35.28 | .0642 | 455.1 | 4.811 | 9406. |
| #2 | 63870. | 32.52 | -.6398 | 456.9 | 4.693 | 9477. |
| #3 | 63450. | 33.37 | -.3928 | 455.1 | 4.495 | 9416. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5853 | 76.21 | 175.5 | 52.55 | 171900. | 14710. |
| Stddev | .2566 | .34 | .9 | .43 | 483. | 20. |
| %RSD | 43.85 | .4479 | .4901 | .8149 | .2810 | .1332 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.4007 | 76.55 | 174.5 | 52.07 | 171700. | 14730. |
| #2 | -.4768 | 76.23 | 175.9 | 52.72 | 172500. | 14720. |
| #3 | -.8783 | 75.86 | 176.1 | 52.87 | 171600. | 14690. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110302-A-2-D@4 Acquired: 4/10/2016 15:50:51 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 46900. | 2187. | 814.5 | 185.4 | 90.12 | 9.465 |
| Stddev | 162. | 5. | 10.0 | .4 | .62 | 1.852 |
| %RSD | .3459 | .2216 | 1.228 | .2180 | .6846 | 19.57 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 46760. | 2183. | 805.0 | 185.8 | 90.46 | 10.04 |
| #2 | 47080. | 2192. | 824.9 | 185.2 | 89.40 | 10.96 |
| #3 | 46860. | 2185. | 813.6 | 185.1 | 90.48 | 7.394 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.753 | 6.620 | 155.1 | 464.2 | 68.51 | 2.626 |
| Stddev | 1.225 | .965 | 1.0 | 2.8 | .81 | .217 |
| %RSD | 69.89 | 14.57 | .6194 | .6093 | 1.181 | 8.280 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | -.5179 | 7.624 | 154.0 | 463.2 | 67.61 | 2.518 |
| #2 | -1.773 | 6.535 | 155.9 | 467.4 | 69.17 | 2.484 |
| #3 | -2.968 | 5.701 | 155.4 | 462.0 | 68.76 | 2.876 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110302-A-2-D@4 Acquired: 4/10/2016 15:50:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.363 | 51.49 | 2785. | 1024. |
| Stddev | .179 | .35 | 3. | 5. |
| %RSD | 2.817 | .6874 | .1078 | .4494 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 6.298 | 51.09 | 2782. | 1026. |
| #2 | 6.566 | 51.67 | 2788. | 1018. |
| #3 | 6.226 | 51.72 | 2785. | 1027. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9706.6 | 66267. | 10214. |
| Stddev | 30.1 | 213. | 150. |
| %RSD | .30977 | .32126 | 1.4636 |

| | | | |
|----|--------|--------|--------|
| #1 | 9673.4 | 66205. | 10257. |
| #2 | 9714.4 | 66091. | 10048. |
| #3 | 9732.0 | 66503. | 10338. |

Sample Name: 460-110302-A-4-F@4 Acquired: 4/10/2016 15:54:34 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 79900. | 32.98 | -.1381 | 647.6 | 8.006 | 11880. |
| Stddev | 1180. | 2.54 | .4098 | 10.4 | .090 | 252. |
| %RSD | 1.477 | 7.692 | 296.7 | 1.607 | 1.126 | 2.125 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 78690. | 33.09 | -.5798 | 636.5 | 8.053 | 11630. |
| #2 | 79970. | 30.39 | -.0646 | 649.2 | 7.902 | 11880. |
| #3 | 81050. | 35.46 | .2299 | 657.1 | 8.064 | 12130. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7890 | 102.9 | 195.0 | 48.82 | F 215900. | 17330. |
| Stddev | .0790 | 1.8 | 4.7 | 1.21 | 4348. | 177. |
| %RSD | 10.01 | 1.759 | 2.430 | 2.474 | 2.014 | 1.021 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.7050 | 101.0 | 190.7 | 47.81 | 211500. | 17170. |
| #2 | -.8002 | 103.2 | 194.2 | 48.50 | 216100. | 17290. |
| #3 | -.8618 | 104.6 | 200.1 | 50.16 | 220200. | 17520. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | 200000. | |
| Low Limit | | | | | -150.0 | |

Sample Name: 460-110302-A-4-F@4 Acquired: 4/10/2016 15:54:34 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 60420. | 3754. | 916.3 | 269.4 | 112.8 | 10.63 |
| Stddev | 1339. | 73. | 14.2 | 5.0 | 1.8 | 3.62 |
| %RSD | 2.216 | 1.942 | 1.549 | 1.853 | 1.596 | 34.03 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 59080. | 3680. | 899.9 | 264.1 | 110.9 | 7.028 |
| #2 | 60410. | 3756. | 924.6 | 270.3 | 113.0 | 14.26 |
| #3 | 61760. | 3826. | 924.3 | 273.9 | 114.5 | 10.59 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.950 | 8.830 | 206.6 | 588.6 | 109.5 | 3.870 |
| Stddev | 2.153 | 1.510 | 5.1 | 6.8 | 1.2 | .235 |
| %RSD | 43.49 | 17.10 | 2.491 | 1.163 | 1.052 | 6.070 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | -7.202 | 10.07 | 201.3 | 581.5 | 108.6 | 3.630 |
| #2 | -2.913 | 7.149 | 206.7 | 589.2 | 109.1 | 4.099 |
| #3 | -4.733 | 9.265 | 211.6 | 595.1 | 110.8 | 3.882 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110302-A-4-F@4 Acquired: 4/10/2016 15:54:34 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.763 | 66.20 | 2678. | 1319. |
| Stddev | .774 | 1.20 | 50. | 23. |
| %RSD | 16.25 | 1.817 | 1.878 | 1.722 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 5.396 | 65.04 | 2626. | 1295. |
| #2 | 4.994 | 66.12 | 2682. | 1341. |
| #3 | 3.900 | 67.44 | 2726. | 1320. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9762.6 | 66643. | 10384. |
| Stddev | 52.1 | 185. | 97. |
| %RSD | .53367 | .27779 | .93724 |

| | | | |
|----|--------|--------|--------|
| #1 | 9704.0 | 66449. | 10329. |
| #2 | 9779.9 | 66818. | 10326. |
| #3 | 9803.8 | 66663. | 10496. |

Sample Name: 460-110302-A-6-D@4 Acquired: 4/10/2016 15:58:15 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 52880. | 46.84 | -.2260 | 476.4 | 4.261 | 10330. |
| Stddev | 108. | 2.16 | .5595 | 2.4 | .048 | 11. |
| %RSD | .2038 | 4.621 | 247.5 | .4981 | 1.134 | .1057 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 52920. | 47.59 | -.8505 | 477.5 | 4.209 | 10340. |
| #2 | 52960. | 48.53 | .2296 | 478.0 | 4.270 | 10320. |
| #3 | 52760. | 44.40 | -.0572 | 473.7 | 4.304 | 10330. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .7185 | 71.16 | 149.0 | 91.35 | 147500. | 11420. |
| Stddev | .1633 | .59 | .6 | .93 | 219. | 63. |
| %RSD | 22.73 | .8316 | .4029 | 1.022 | .1482 | .5473 |

| | | | | | | |
|----|-------|-------|-------|-------|---------|--------|
| #1 | .5818 | 71.07 | 149.4 | 90.70 | 147700. | 11350. |
| #2 | .8993 | 71.79 | 149.4 | 92.42 | 147400. | 11450. |
| #3 | .6743 | 70.62 | 148.3 | 90.93 | 147300. | 11470. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110302-A-6-D@4 Acquired: 4/10/2016 15:58:15 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 43630. | 3154. | 816.6 | 189.3 | 80.58 | 8.214 |
| Stddev | 148. | 7. | 5.8 | 1.5 | 1.28 | 1.869 |
| %RSD | .3379 | .2134 | .7046 | .7891 | 1.589 | 22.76 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 43790. | 3162. | 814.9 | 190.6 | 81.78 | 8.054 |
| #2 | 43500. | 3150. | 811.9 | 189.6 | 80.72 | 6.429 |
| #3 | 43620. | 3151. | 823.0 | 187.6 | 79.23 | 10.16 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.424 | 6.368 | 136.7 | 449.4 | 54.74 | 2.202 |
| Stddev | 1.404 | 3.240 | .4 | 2.3 | .78 | .260 |
| %RSD | 98.60 | 50.88 | .2762 | .5210 | 1.423 | 11.81 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | -2.975 | 10.07 | 136.7 | 451.9 | 55.58 | 2.117 |
| #2 | -.2394 | 5.012 | 136.3 | 449.1 | 54.60 | 1.996 |
| #3 | -1.057 | 4.027 | 137.0 | 447.2 | 54.05 | 2.494 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110302-A-6-D@4 Acquired: 4/10/2016 15:58:15 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.440 | 61.60 | 2074. | 765.0 |
| Stddev | .337 | .42 | 8. | 19.2 |
| %RSD | 7.588 | .6810 | .3786 | 2.512 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.188 | 61.11 | 2080. | 746.1 |
| #2 | 4.309 | 61.86 | 2076. | 784.6 |
| #3 | 4.823 | 61.82 | 2065. | 764.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9867.1 | 68040. | 10729. |
| Stddev | 29.6 | 509. | 204. |
| %RSD | .30048 | .74844 | 1.9036 |

| | | | |
|----|--------|--------|--------|
| #1 | 9836.6 | 67466. | 10493. |
| #2 | 9868.9 | 68439. | 10851. |
| #3 | 9895.8 | 68214. | 10842. |

Sample Name: CCV Acquired: 4/10/2016 16:01:59 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 120400. | 2452. | 1215. | 9919. | 980.6 | 122600. |
| Stddev | 160. | 8. | 1. | 8. | .8 | 683. |
| %RSD | .1327 | .3211 | .0614 | .0837 | .0845 | .5569 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 120300. | 2443. | 1216. | 9922. | 981.0 | 123400. |
| #2 | 120300. | 2459. | 1216. | 9926. | 981.1 | 122000. |
| #3 | 120600. | 2452. | 1215. | 9910. | 979.6 | 122400. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1229. | 2454. | 4969. | 12290. | 98610. | 47950. |
| Stddev | 3. | 5. | 18. | 26. | 355. | 84. |
| %RSD | .2375 | .1954 | .3641 | .2087 | .3596 | .1746 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1231. | 2455. | 4989. | 12260. | 98920. | 47880. |
| #2 | 1230. | 2459. | 4953. | 12310. | 98220. | 47910. |
| #3 | 1225. | 2449. | 4964. | 12290. | 98670. | 48040. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 16:01:59 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 122900. | 5030. | 122600. | 2480. | 7390. | 974.3 |
| Stddev | 595. | 16. | 211. | 7. | 10. | 3.3 |
| %RSD | .4837 | .3266 | .1718 | .2911 | .1287 | .3367 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 123600. | 5047. | 122800. | 2481. | 7397. | 971.1 |
| #2 | 122400. | 5014. | 122500. | 2486. | 7393. | 977.6 |
| #3 | 122900. | 5028. | 122500. | 2472. | 7379. | 974.1 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2425. | 2464. | 2461. | 2470. | 975.0 | 2412. |
| Stddev | 9. | 3. | 6. | 13. | 3.1 | 3. |
| %RSD | .3692 | .1205 | .2493 | .5413 | .3224 | .1341 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2415. | 2467. | 2468. | 2483. | 971.4 | 2408. |
| #2 | 2426. | 2465. | 2457. | 2471. | 977.4 | 2414. |
| #3 | 2433. | 2461. | 2458. | 2456. | 976.1 | 2413. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 16:01:59 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 978.9 | 4870. | 9974. | 9777. |
| Stddev | 2.5 | 6. | 15. | 49. |
| %RSD | .2548 | .1288 | .1483 | .5050 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 981.0 | 4865. | 9991. | 9721. |
| #2 | 979.6 | 4868. | 9965. | 9816. |
| #3 | 976.2 | 4877. | 9965. | 9794. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9198.1 | 63472. | 9906.2 |
| Stddev | 18.8 | 408. | 56.2 |
| %RSD | .20450 | .64322 | .56693 |

| | | | |
|----|--------|--------|--------|
| #1 | 9180.0 | 63090. | 9842.1 |
| #2 | 9196.7 | 63902. | 9929.8 |
| #3 | 9217.5 | 63423. | 9946.6 |

Sample Name: CCB Acquired: 4/10/2016 16:05:28 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.026 | .1019 | .7744 | 1.512 | .0001 | -10.36 |
| Stddev | 10.80 | 1.812 | .2288 | 1.907 | .0529 | 7.80 |
| %RSD | 532.7 | 1778. | 29.54 | 126.1 | 44660. | 75.31 |

| | | | | | | |
|----|--------|--------|-------|--------|--------|--------|
| #1 | 12.20 | -.5619 | .9990 | 3.440 | -.0006 | -5.619 |
| #2 | 3.177 | -1.284 | .7827 | 1.471 | .0534 | -19.37 |
| #3 | -9.298 | 2.152 | .5416 | -.3737 | -.0525 | -6.096 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0361 | .3484 | .0794 | -.5415 | 3.141 | -21.35 |
| Stddev | .3502 | .5187 | .3456 | .2947 | 9.166 | 49.93 |
| %RSD | 970.9 | 148.9 | 435.1 | 54.42 | 291.8 | 233.9 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | .4007 | .8252 | -.0261 | -.7690 | 7.944 | -15.47 |
| #2 | .0052 | .4238 | -.2011 | -.6468 | -7.428 | 25.39 |
| #3 | -.2977 | -.2039 | .4655 | -.2086 | 8.907 | -73.96 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 16:05:28 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.674 | -.2606 | -30.36 | .7012 | 1.380 | .8401 |
| Stddev | 3.774 | .2062 | 19.41 | .7078 | 1.078 | 1.498 |
| %RSD | 56.54 | 79.14 | 63.91 | 100.9 | 78.12 | 178.3 |
| #1 | -8.597 | -.3347 | -8.102 | .9562 | 2.444 | -.3702 |
| #2 | -9.100 | -.4195 | -39.28 | 1.246 | 1.407 | 2.515 |
| #3 | -2.327 | -.0275 | -43.71 | -.0988 | .2884 | .3750 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.165 | -.6555 | -.0982 | .1926 | -2.469 | -.2202 |
| Stddev | 1.960 | 2.000 | .1602 | .5163 | .104 | .3355 |
| %RSD | 90.54 | 305.1 | 163.1 | 268.0 | 4.219 | 152.4 |
| #1 | 3.320 | -.1135 | -.2630 | .7258 | -2.352 | .0367 |
| #2 | -.0982 | 1.017 | -.0885 | .1571 | -2.503 | -.0975 |
| #3 | 3.274 | -2.870 | .0569 | -.3049 | -2.552 | -.5998 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 16:05:28 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1347 | .0235 | -.4291 | 11.31 |
| Stddev | .0178 | .2273 | .6413 | 4.74 |
| %RSD | 13.25 | 968.9 | 149.4 | 41.94 |

| | | | | |
|----|---------------|---------------|---------------|--------------|
| #1 | -.1173 | .0144 | -.6198 | 9.426 |
| #2 | -.1337 | -.1991 | -.9535 | 16.71 |
| #3 | -.1529 | .2551 | .2859 | 7.797 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9695.1 | 66189. | 10053. |
| Stddev | 26.2 | 383. | 87. |
| %RSD | .27035 | .57863 | .86392 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9706.4 | 66064. | 10019. |
| #2 | 9713.8 | 66618. | 10152. |
| #3 | 9665.2 | 65884. | 9988.8 |

Sample Name: CCVL Acquired: 4/10/2016 16:09:22 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.9 | 11.90 | 9.924 | 207.3 | 2.019 | 5039. |
| Stddev | 11.8 | 1.16 | .795 | 1.1 | .124 | 32. |
| %RSD | 5.832 | 9.772 | 8.010 | .5207 | 6.141 | .6409 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 215.2 | 13.02 | 10.67 | 207.9 | 2.161 | 5002. |
| #2 | 191.6 | 11.97 | 9.085 | 207.9 | 1.930 | 5060. |
| #3 | 202.0 | 10.70 | 10.02 | 206.0 | 1.966 | 5056. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.940 | 51.50 | 9.769 | 23.06 | 154.1 | 4708. |
| Stddev | .011 | .51 | .356 | .65 | 5.4 | 44. |
| %RSD | .2862 | .9807 | 3.642 | 2.805 | 3.526 | .9377 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.928 | 52.00 | 10.15 | 23.79 | 160.1 | 4665. |
| #2 | 3.949 | 51.51 | 9.722 | 22.83 | 149.6 | 4706. |
| #3 | 3.944 | 50.99 | 9.438 | 22.56 | 152.6 | 4753. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 16:09:22 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4901. | 15.63 | 4901. | 42.76 | 11.19 | 20.59 |
| Stddev | 26. | .18 | 7. | .80 | .52 | 1.34 |
| %RSD | .5346 | 1.142 | .1388 | 1.861 | 4.602 | 6.488 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4883. | 15.68 | 4893. | 43.36 | 11.71 | 20.83 |
| #2 | 4931. | 15.78 | 4905. | 43.06 | 10.68 | 19.15 |
| #3 | 4889. | 15.43 | 4905. | 41.86 | 11.20 | 21.79 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.29 | 21.63 | 51.10 | 31.03 | 45.73 | 17.63 |
| Stddev | 1.53 | 1.66 | .21 | .26 | .45 | .17 |
| %RSD | 9.368 | 7.673 | .4081 | .8485 | .9809 | .9594 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 15.65 | 20.85 | 50.91 | 31.31 | 46.09 | 17.72 |
| #2 | 15.19 | 23.54 | 51.06 | 30.99 | 45.22 | 17.43 |
| #3 | 18.04 | 20.52 | 51.32 | 30.79 | 45.86 | 17.73 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 16:09:22 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.33 | 20.32 | 19.26 | F 2.893 |
| Stddev | .76 | .04 | .17 | 5.277 |
| %RSD | 1.567 | .1899 | .8599 | 182.4 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 47.56 | 20.36 | 19.35 | 2.223 |
| #2 | 48.34 | 20.28 | 19.36 | 8.473 |
| #3 | 49.08 | 20.31 | 19.07 | -2.016 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9769.6 | 67076. | 10240. |
| Stddev | 17.0 | 585. | 145. |
| %RSD | .17426 | .87225 | 1.4143 |

| | | | |
|----|--------|--------|--------|
| #1 | 9786.2 | 67751. | 10407. |
| #2 | 9752.2 | 66706. | 10167. |
| #3 | 9770.5 | 66773. | 10146. |

Sample Name: 460-110302-A-8-D@4 Acquired: 4/10/2016 16:13:14 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 47260. | 17.25 | -.4626 | 293.9 | 2.869 | 11260. |
| Stddev | 89. | 1.31 | .3772 | 1.1 | .058 | 25. |
| %RSD | .1893 | 7.576 | 81.53 | .3728 | 2.030 | .2251 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 47160. | 18.76 | -.0441 | 293.8 | 2.825 | 11240. |
| #2 | 47340. | 16.38 | -.5674 | 295.1 | 2.935 | 11260. |
| #3 | 47280. | 16.62 | -.7764 | 292.9 | 2.847 | 11290. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5630 | 49.79 | 105.1 | 106.8 | 116400. | 3262. |
| Stddev | .0873 | .27 | .9 | .4 | 173. | 10. |
| %RSD | 15.51 | .5337 | .8661 | .3609 | .1484 | .3040 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | -.5171 | 49.88 | 104.3 | 106.5 | 116200. | 3251. |
| #2 | -.5083 | 49.99 | 106.1 | 106.6 | 116500. | 3266. |
| #3 | -.6637 | 49.49 | 104.9 | 107.2 | 116600. | 3270. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110302-A-8-D@4 Acquired: 4/10/2016 16:13:14 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20490. | 1933. | 773.3 | 102.2 | 39.88 | 5.177 |
| Stddev | 61. | 3. | 5.5 | 1.5 | .61 | 2.517 |
| %RSD | .2982 | .1565 | .7154 | 1.446 | 1.536 | 48.61 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 20440. | 1931. | 773.0 | 101.0 | 39.43 | 5.921 |
| #2 | 20470. | 1931. | 768.0 | 103.8 | 40.57 | 7.238 |
| #3 | 20550. | 1936. | 779.0 | 101.7 | 39.62 | 2.372 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.816 | 2.710 | 217.6 | 216.0 | 9.495 | -.1273 |
| Stddev | 1.337 | 2.077 | .7 | .5 | .396 | .2573 |
| %RSD | 22.99 | 76.63 | .3356 | .2319 | 4.169 | 202.1 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | -7.041 | 4.014 | 217.0 | 215.4 | 9.910 | -.3641 |
| #2 | -6.019 | .3151 | 218.4 | 216.0 | 9.122 | .1464 |
| #3 | -4.389 | 3.801 | 217.2 | 216.4 | 9.453 | -.1642 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110302-A-8-D@4 Acquired: 4/10/2016 16:13:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.309 | 59.01 | 2553. | 694.2 |
| Stddev | .385 | .23 | 3. | 15.3 |
| %RSD | 8.926 | .3874 | .1165 | 2.204 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.489 | 58.81 | 2554. | 694.6 |
| #2 | 3.868 | 58.94 | 2555. | 678.8 |
| #3 | 4.572 | 59.26 | 2550. | 709.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9847.9 | 68098. | 10710. |
| Stddev | 42.2 | 308. | 57. |
| %RSD | .42802 | .45300 | .53070 |

| | | | |
|----|--------|--------|--------|
| #1 | 9808.1 | 67758. | 10676. |
| #2 | 9843.7 | 68360. | 10679. |
| #3 | 9892.1 | 68175. | 10776. |

Sample Name: 460-110302-A-10-D@4 Acquired: 4/10/2016 16:16:57 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 37330. | 15.70 | -.6015 | 206.8 | 2.072 | 11880. |
| Stddev | 2. | .75 | .2746 | .7 | .201 | 112. |
| %RSD | .0048 | 4.776 | 45.66 | .3539 | 9.716 | .9433 |
| #1 | 37340. | 15.73 | -.3213 | 207.3 | 2.302 | 12000. |
| #2 | 37330. | 14.93 | -.8702 | 207.0 | 1.988 | 11830. |
| #3 | 37330. | 16.43 | -.6131 | 205.9 | 1.926 | 11800. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5668 | 44.71 | 80.13 | 86.55 | 108800. | 2620. |
| Stddev | .2313 | .10 | .70 | 1.01 | 759. | 22. |
| %RSD | 40.81 | .2269 | .8765 | 1.161 | .6978 | .8488 |
| #1 | -.8334 | 44.83 | 79.95 | 85.49 | 109600. | 2594. |
| #2 | -.4189 | 44.63 | 79.54 | 87.48 | 108600. | 2633. |
| #3 | -.4482 | 44.68 | 80.91 | 86.68 | 108100. | 2632. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110302-A-10-D@4 Acquired: 4/10/2016 16:16:57 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15920. | 1742. | 923.8 | 84.55 | 28.96 | 4.484 |
| Stddev | 133. | 11. | 3.2 | .55 | .21 | 2.048 |
| %RSD | .8362 | .6337 | .3416 | .6525 | .7200 | 45.67 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 16060. | 1754. | 920.6 | 85.07 | 28.85 | 2.218 |
| #2 | 15890. | 1739. | 924.0 | 83.97 | 29.20 | 5.029 |
| #3 | 15800. | 1732. | 926.9 | 84.61 | 28.84 | 6.203 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.554 | -1.888 | 206.3 | 180.0 | 6.117 | -.3553 |
| Stddev | 1.310 | 1.240 | .5 | .1 | .366 | .3893 |
| %RSD | 36.87 | 65.68 | .2570 | .0713 | 5.989 | 109.6 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|--------------|---------------|
| #1 | -2.854 | -.6558 | 206.6 | 180.2 | 6.535 | -.5627 |
| #2 | -2.742 | -3.135 | 206.6 | 180.0 | 5.963 | -.5969 |
| #3 | -5.065 | -1.872 | 205.6 | 179.9 | 5.852 | .0939 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110302-A-10-D@4 Acquired: 4/10/2016 16:16:57 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.250 | 47.40 | 3030. | 677.7 |
| Stddev | .845 | .43 | 11. | 22.4 |
| %RSD | 19.88 | .9074 | .3653 | 3.308 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.353 | 46.91 | 3041. | 651.9 |
| #2 | 3.359 | 47.73 | 3031. | 691.7 |
| #3 | 5.039 | 47.55 | 3019. | 689.5 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9877.4 | 67848. | 10544. |
| Stddev | 40.5 | 956. | 203. |
| %RSD | .40986 | 1.4088 | 1.9270 |

| | | | |
|----|--------|--------|--------|
| #1 | 9835.2 | 66762. | 10316. |
| #2 | 9915.9 | 68224. | 10609. |
| #3 | 9881.1 | 68560. | 10706. |

Sample Name: 460-111341-D-2-A@4 Acquired: 4/10/2016 16:20:41 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 39560. | 18.13 | .0754 | 245.3 | 2.294 | 11390. |
| Stddev | 134. | 1.49 | .0418 | .7 | .146 | 46. |
| %RSD | .3375 | 8.228 | 55.41 | .2695 | 6.377 | .4028 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 39460. | 19.63 | .0272 | 245.6 | 2.158 | 11340. |
| #2 | 39710. | 18.11 | .0979 | 244.6 | 2.449 | 11380. |
| #3 | 39510. | 16.65 | .1010 | 245.8 | 2.276 | 11430. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3639 | 41.04 | 80.59 | 93.23 | 112800. | 3392. |
| Stddev | .0772 | .08 | .65 | 1.06 | 216. | 42. |
| %RSD | 21.22 | .1912 | .8009 | 1.142 | .1914 | 1.252 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | -.3557 | 40.97 | 80.03 | 94.42 | 112600. | 3345. |
| #2 | -.2911 | 41.02 | 80.44 | 92.89 | 112700. | 3427. |
| #3 | -.4449 | 41.12 | 81.30 | 92.37 | 113000. | 3405. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-2-A@4 Acquired: 4/10/2016 16:20:41 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17820. | 2105. | 957.3 | 84.01 | 31.63 | 5.131 |
| Stddev | 59. | 5. | 5.3 | 1.10 | .88 | .209 |
| %RSD | .3307 | .2386 | .5585 | 1.309 | 2.790 | 4.072 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 17790. | 2099. | 951.2 | 84.36 | 31.26 | 5.083 |
| #2 | 17780. | 2105. | 961.0 | 82.78 | 32.64 | 4.950 |
| #3 | 17880. | 2109. | 959.8 | 84.89 | 30.99 | 5.359 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.770 | 1.308 | 199.4 | 201.7 | 11.18 | -.4443 |
| Stddev | 2.546 | .360 | .8 | 1.0 | .40 | .2276 |
| %RSD | 53.38 | 27.53 | .3934 | .4837 | 3.581 | 51.21 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | -6.844 | 1.628 | 200.3 | 200.9 | 11.58 | -.7032 |
| #2 | -1.928 | .9183 | 199.0 | 201.4 | 11.18 | -.3543 |
| #3 | -5.537 | 1.376 | 198.9 | 202.8 | 10.78 | -.2756 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-2-A@4 Acquired: 4/10/2016 16:20:41 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.130 | 49.31 | 2875. | 594.2 |
| Stddev | .934 | .22 | 1. | 6.5 |
| %RSD | 22.62 | .4440 | .0371 | 1.090 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 5.194 | 49.35 | 2874. | 598.9 |
| #2 | 3.758 | 49.51 | 2876. | 586.8 |
| #3 | 3.440 | 49.08 | 2875. | 596.9 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9866.6 | 67996. | 10664. |
| Stddev | 42.4 | 162. | 39. |
| %RSD | .42994 | .23814 | .36573 |

| | | | |
|----|--------|--------|--------|
| #1 | 9818.5 | 67840. | 10696. |
| #2 | 9882.7 | 68163. | 10620. |
| #3 | 9898.7 | 67985. | 10674. |

Sample Name: 460-111341-D-3-A@4 Acquired: 4/10/2016 16:24:25 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 38360. | 10.51 | -.3072 | 204.8 | 2.026 | 8820. |
| Stddev | 230. | .31 | .6291 | .9 | .078 | 45. |
| %RSD | .5989 | 2.995 | 204.8 | .4446 | 3.850 | .5105 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 38100. | 10.29 | -.4523 | 204.8 | 1.941 | 8769. |
| #2 | 38470. | 10.87 | .3819 | 205.7 | 2.045 | 8856. |
| #3 | 38520. | 10.37 | -.8510 | 203.9 | 2.094 | 8834. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6161 | 35.36 | 86.01 | 73.58 | 85120. | 2081. |
| Stddev | .1592 | .25 | .88 | .36 | 249. | 16. |
| %RSD | 25.84 | .7084 | 1.021 | .4862 | .2929 | .7503 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.6688 | 35.62 | 85.05 | 73.18 | 84870. | 2074. |
| #2 | -.4372 | 35.33 | 86.19 | 73.87 | 85370. | 2070. |
| #3 | -.7423 | 35.12 | 86.77 | 73.70 | 85130. | 2099. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-3-A@4 Acquired: 4/10/2016 16:24:25 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11720. | 892.4 | 927.2 | 67.42 | 27.62 | 4.884 |
| Stddev | 55. | 2.0 | 5.1 | .19 | 1.33 | 2.171 |
| %RSD | .4695 | .2221 | .5489 | .2749 | 4.827 | 44.46 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 11660. | 890.4 | 921.7 | 67.63 | 28.65 | 6.419 |
| #2 | 11770. | 894.3 | 928.1 | 67.35 | 26.12 | 2.400 |
| #3 | 11720. | 892.7 | 931.8 | 67.28 | 28.11 | 5.832 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.541 | 1.568 | 191.0 | 143.2 | 8.969 | -1.198 |
| Stddev | 1.718 | .989 | .6 | .9 | .291 | .206 |
| %RSD | 37.82 | 63.08 | .3185 | .5962 | 3.244 | 17.17 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|---------------|
| #1 | -2.747 | .7569 | 190.5 | 143.0 | 9.043 | -1.273 |
| #2 | -6.170 | 1.277 | 191.7 | 144.2 | 9.216 | -1.355 |
| #3 | -4.707 | 2.670 | 190.8 | 142.5 | 8.648 | -.9649 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-3-A@4 Acquired: 4/10/2016 16:24:25 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3.640 | 53.55 | 2386. | 605.9 |
| Stddev | .730 | .20 | 3. | 15.9 |
| %RSD | 20.05 | .3763 | .1381 | 2.619 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.866 | 53.32 | 2383. | 587.7 |
| #2 | 4.316 | 53.62 | 2390. | 612.8 |
| #3 | 3.739 | 53.70 | 2385. | 617.1 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9833.4 | 67656. | 10520. |
| Stddev | 19.5 | 121. | 116. |
| %RSD | .19782 | .17924 | 1.1065 |

| | | | |
|----|--------|--------|--------|
| #1 | 9831.1 | 67689. | 10653. |
| #2 | 9815.2 | 67521. | 10470. |
| #3 | 9853.9 | 67757. | 10437. |

Sample Name: 460-111341-D-4-A@4 Acquired: 4/10/2016 16:28:10 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 75690. | 22.48 | -.3032 | 423.3 | 3.391 | 14610. |
| Stddev | 202. | 1.95 | .2417 | 1.1 | .079 | 39. |
| %RSD | .2662 | 8.656 | 79.72 | .2679 | 2.323 | .2693 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 75630. | 21.99 | -.1163 | 423.6 | 3.465 | 14590. |
| #2 | 75910. | 20.83 | -.2171 | 424.2 | 3.399 | 14580. |
| #3 | 75520. | 24.63 | -.5762 | 422.0 | 3.308 | 14650. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3443 | 57.27 | 133.1 | 157.4 | 154800. | 4968. |
| Stddev | .1407 | .18 | 1.5 | .8 | 231. | 11. |
| %RSD | 40.87 | .3123 | 1.120 | .4784 | .1491 | .2117 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | -.2285 | 57.27 | 133.5 | 157.3 | 154800. | 4969. |
| #2 | -.3035 | 57.10 | 131.4 | 156.6 | 154600. | 4957. |
| #3 | -.5009 | 57.45 | 134.3 | 158.1 | 155100. | 4978. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-4-A@4 Acquired: 4/10/2016 16:28:10 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20860. | 1903. | 1347. | 110.2 | 149.8 | 7.311 |
| Stddev | 63. | 3. | 9. | 1.6 | 1.1 | 1.876 |
| %RSD | .3006 | .1528 | .6864 | 1.429 | .7050 | 25.66 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 20820. | 1901. | 1342. | 110.1 | 151.0 | 7.195 |
| #2 | 20830. | 1902. | 1358. | 111.8 | 149.2 | 9.242 |
| #3 | 20930. | 1907. | 1342. | 108.7 | 149.2 | 5.495 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.088 | 4.964 | 248.1 | 286.1 | 8.892 | 1.114 |
| Stddev | 1.929 | 2.488 | .6 | .9 | .411 | .135 |
| %RSD | 62.46 | 50.13 | .2611 | .3246 | 4.621 | 12.09 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | -5.266 | 7.455 | 247.5 | 287.1 | 8.442 | .9676 |
| #2 | -1.594 | 4.959 | 248.0 | 286.1 | 9.247 | 1.233 |
| #3 | -2.405 | 2.478 | 248.8 | 285.2 | 8.987 | 1.142 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-4-A@4 Acquired: 4/10/2016 16:28:10 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.118 | 82.81 | 2085. | 911.0 |
| Stddev | .605 | .09 | 2. | 12.7 |
| %RSD | 14.68 | .1069 | .1053 | 1.397 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.812 | 82.80 | 2085. | 897.4 |
| #2 | 3.703 | 82.90 | 2083. | 912.9 |
| #3 | 3.840 | 82.73 | 2087. | 922.7 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9797.9 | 67170. | 10474. |
| Stddev | 69.5 | 445. | 67. |
| %RSD | .70907 | .66195 | .63966 |

| | | | |
|----|--------|--------|--------|
| #1 | 9717.7 | 66691. | 10408. |
| #2 | 9836.0 | 67569. | 10542. |
| #3 | 9839.9 | 67250. | 10472. |

Sample Name: 460-111341-D-5-A@4 Acquired: 4/10/2016 16:31:53 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 85300. | 34.47 | -.5777 | 474.1 | 4.093 | 11390. |
| Stddev | 2063. | .94 | .4446 | 10.9 | .056 | 217. |
| %RSD | 2.418 | 2.721 | 76.95 | 2.295 | 1.361 | 1.910 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 83240. | 33.39 | -.8852 | 462.7 | 4.153 | 11160. |
| #2 | 85300. | 35.10 | -.0680 | 475.2 | 4.081 | 11410. |
| #3 | 87360. | 34.91 | -.7800 | 484.3 | 4.044 | 11590. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6483 | 92.42 | 151.9 | 138.1 | 175400. | 3913. |
| Stddev | .1409 | 1.97 | 4.1 | 3.6 | 3620. | 88. |
| %RSD | 21.73 | 2.131 | 2.729 | 2.588 | 2.064 | 2.249 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | -.7347 | 90.38 | 148.5 | 135.3 | 171600. | 3819. |
| #2 | -.4857 | 92.58 | 150.6 | 136.9 | 175600. | 3926. |
| #3 | -.7245 | 94.31 | 156.5 | 142.2 | 178900. | 3994. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-5-A@4 Acquired: 4/10/2016 16:31:53 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 23170. | 2294. | 1406. | 123.1 | 59.00 | 5.540 |
| Stddev | 457. | 47. | 32. | 2.5 | 1.40 | 1.642 |
| %RSD | 1.974 | 2.030 | 2.301 | 2.005 | 2.369 | 29.64 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 22670. | 2246. | 1374. | 120.4 | 58.26 | 3.793 |
| #2 | 23250. | 2295. | 1405. | 123.9 | 58.14 | 5.774 |
| #3 | 23580. | 2339. | 1439. | 125.1 | 60.62 | 7.053 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.151 | 5.703 | 245.7 | 263.2 | 113.5 | .8689 |
| Stddev | 3.189 | .725 | 5.4 | 5.2 | 2.6 | .1000 |
| %RSD | 101.2 | 12.72 | 2.189 | 1.963 | 2.332 | 11.51 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | -3.302 | 4.956 | 241.2 | 258.2 | 110.9 | .9378 |
| #2 | .1105 | 5.750 | 244.3 | 262.7 | 113.6 | .9147 |
| #3 | -6.262 | 6.404 | 251.7 | 268.5 | 116.1 | .7542 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-5-A@4 Acquired: 4/10/2016 16:31:53 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.600 | 69.19 | 2417. | 971.5 |
| Stddev | .192 | 1.88 | 50. | 40.3 |
| %RSD | 4.175 | 2.715 | 2.051 | 4.144 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.380 | 67.35 | 2368. | 949.5 |
| #2 | 4.729 | 69.11 | 2416. | 946.9 |
| #3 | 4.692 | 71.11 | 2467. | 1018. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9973.7 | 68540. | 10696. |
| Stddev | 76.0 | 748. | 150. |
| %RSD | .76217 | 1.0917 | 1.4060 |

| | | | |
|----|--------|--------|--------|
| #1 | 9885.9 | 67985. | 10584. |
| #2 | 10019. | 68245. | 10639. |
| #3 | 10016. | 69391. | 10867. |

Sample Name: 460-111341-D-6-A@4 Acquired: 4/10/2016 16:35:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 64070. | 19.59 | .1066 | 397.2 | 3.577 | 10260. |
| Stddev | 173. | 1.60 | .1325 | .7 | .105 | 20. |
| %RSD | .2705 | 8.183 | 124.3 | .1736 | 2.939 | .1949 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 64050. | 21.29 | .1930 | 396.5 | 3.523 | 10270. |
| #2 | 63910. | 19.40 | .1728 | 397.8 | 3.699 | 10240. |
| #3 | 64250. | 18.10 | -.0459 | 397.3 | 3.510 | 10270. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5658 | 57.60 | 136.9 | 119.0 | 131100. | 3648. |
| Stddev | .0644 | .34 | .3 | .3 | 168. | 39. |
| %RSD | 11.38 | .5929 | .2388 | .2910 | .1278 | 1.065 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | -.5372 | 57.94 | 136.6 | 118.7 | 131200. | 3607. |
| #2 | -.5207 | 57.60 | 137.0 | 119.0 | 130900. | 3654. |
| #3 | -.6396 | 57.25 | 137.2 | 119.4 | 131200. | 3684. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-6-A@4 Acquired: 4/10/2016 16:35:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 23110. | 2571. | 1534. | 120.6 | 49.67 | 5.931 |
| Stddev | 53. | 4. | 2. | 1.5 | .82 | 2.085 |
| %RSD | .2285 | .1614 | .1510 | 1.243 | 1.642 | 35.16 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 23100. | 2572. | 1533. | 119.3 | 49.42 | 8.270 |
| #2 | 23070. | 2566. | 1537. | 122.2 | 50.58 | 4.265 |
| #3 | 23170. | 2575. | 1532. | 120.1 | 49.01 | 5.259 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.023 | 5.485 | 221.0 | 243.9 | 10.02 | .0857 |
| Stddev | 2.082 | .119 | .6 | .8 | .52 | .0295 |
| %RSD | 51.75 | 2.162 | .2814 | .3331 | 5.193 | 34.45 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | -1.737 | 5.450 | 220.3 | 244.0 | 10.60 | .0691 |
| #2 | -4.523 | 5.388 | 221.5 | 243.0 | 9.898 | .0683 |
| #3 | -5.810 | 5.617 | 221.1 | 244.6 | 9.578 | .1199 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-6-A@4 Acquired: 4/10/2016 16:35:35 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3.506 | 64.72 | 2284. | 793.6 |
| Stddev | .325 | .28 | 1. | 35.3 |
| %RSD | 9.257 | .4301 | .0540 | 4.448 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3.848 | 64.40 | 2283. | 752.8 |
| #2 | 3.202 | 64.88 | 2285. | 815.1 |
| #3 | 3.470 | 64.89 | 2285. | 812.8 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9924.5 | 68155. | 10646. |
| Stddev | 47.6 | 474. | 101. |
| %RSD | .47925 | .69553 | .94635 |

| | | | |
|----|--------|--------|--------|
| #1 | 9880.1 | 67644. | 10538. |
| #2 | 9974.7 | 68581. | 10737. |
| #3 | 9918.8 | 68241. | 10663. |

Sample Name: 460-111341-D-7-A@ Acquired: 4/10/2016 16:39:18 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 54300. | 34.96 | .5844 | 414.3 | 3.105 | 5140. |
| Stddev | 147. | 2.74 | .2344 | 1.7 | .043 | 15. |
| %RSD | .2703 | 7.844 | 40.12 | .4014 | 1.379 | .2921 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 54130. | 37.49 | .5524 | 416.1 | 3.149 | 5150. |
| #2 | 54360. | 35.34 | .3676 | 414.1 | 3.101 | 5123. |
| #3 | 54410. | 32.05 | .8332 | 412.8 | 3.064 | 5148. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0424 | 34.23 | 93.53 | 59.31 | 73110. | 2542. |
| Stddev | .1621 | .38 | .59 | .35 | 107. | 28. |
| %RSD | 382.0 | 1.125 | .6349 | .5925 | .1460 | 1.097 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | .2246 | 34.64 | 93.73 | 59.68 | 73140. | 2554. |
| #2 | -.0112 | 34.16 | 92.87 | 59.28 | 73200. | 2510. |
| #3 | -.0861 | 33.88 | 94.01 | 58.97 | 72990. | 2562. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-7-A@ Acquired: 4/10/2016 16:39:18 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6839. | 1843. | 596.2 | 44.17 | 161.2 | 3.572 |
| Stddev | 11. | 4. | 5.8 | .69 | .8 | 3.018 |
| %RSD | .1678 | .2003 | .9787 | 1.560 | .5076 | 84.49 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 6827. | 1844. | 595.1 | 44.94 | 160.3 | 5.396 |
| #2 | 6839. | 1846. | 591.1 | 43.60 | 161.8 | .0886 |
| #3 | 6850. | 1839. | 602.6 | 43.98 | 161.6 | 5.233 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.206 | -.3319 | 139.6 | 228.1 | .5906 | 1.454 |
| Stddev | 1.716 | .6120 | .9 | .9 | .4581 | .341 |
| %RSD | 77.79 | 184.4 | .6712 | .3858 | 77.56 | 23.47 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -.7081 | -.8030 | 139.8 | 228.9 | 1.108 | 1.819 |
| #2 | -4.079 | .3598 | 138.5 | 228.3 | .2351 | 1.402 |
| #3 | -1.832 | -.5525 | 140.4 | 227.2 | .4291 | 1.142 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-7-A@ Acquired: 4/10/2016 16:39:18 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.385 | 50.08 | 364.0 | 1410. |
| Stddev | .438 | .24 | .9 | 38. |
| %RSD | 8.133 | .4748 | .2357 | 2.725 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.921 | 49.81 | 365.0 | 1408. |
| #2 | 5.442 | 50.20 | 363.4 | 1450. |
| #3 | 5.791 | 50.24 | 363.5 | 1373. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9996.2 | 68318. | 10716. |
| Stddev | 34.2 | 483. | 66. |
| %RSD | .34179 | .70664 | .61422 |

| | | | |
|----|--------|--------|--------|
| #1 | 9957.1 | 67810. | 10671. |
| #2 | 10020. | 68375. | 10792. |
| #3 | 10011. | 68771. | 10685. |

Sample Name: 460-111341-D-8-A@4 Acquired: 4/10/2016 16:43:04 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 50540. | 18.79 | .1604 | 342.7 | 2.483 | 3002. |
| Stddev | 31. | .84 | .2344 | 1.1 | .025 | 31. |
| %RSD | .0616 | 4.462 | 146.1 | .3104 | .9853 | 1.017 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 50510. | 17.85 | .3956 | 342.1 | 2.455 | 2967. |
| #2 | 50570. | 19.07 | -.0731 | 344.0 | 2.499 | 3014. |
| #3 | 50530. | 19.46 | .1587 | 342.1 | 2.496 | 3024. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2944 | 34.92 | 83.81 | 36.11 | 48310. | 2716. |
| Stddev | .0407 | .19 | .75 | .28 | 270. | 40. |
| %RSD | 13.81 | .5507 | .8965 | .7670 | .5585 | 1.475 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.2582 | 34.89 | 83.16 | 36.24 | 48000. | 2673. |
| #2 | -.3384 | 35.13 | 83.63 | 35.80 | 48520. | 2725. |
| #3 | -.2865 | 34.75 | 84.63 | 36.30 | 48410. | 2752. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-8-A@4 Acquired: 4/10/2016 16:43:04 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6882. | 1644. | 170.2 | 35.89 | 145.5 | 2.754 |
| Stddev | 94. | 8. | 6.4 | .35 | .4 | 1.393 |
| %RSD | 1.369 | .5131 | 3.783 | .9779 | .2861 | 50.57 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 6777. | 1634. | 170.8 | 35.58 | 145.0 | 1.987 |
| #2 | 6958. | 1649. | 163.4 | 36.27 | 145.7 | 4.362 |
| #3 | 6911. | 1648. | 176.3 | 35.82 | 145.8 | 1.913 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .5055 | 1.467 | 110.4 | 235.5 | -.6304 | .1098 |
| Stddev | 2.247 | 3.580 | .3 | 1.0 | .1892 | .4745 |
| %RSD | 444.5 | 244.1 | .3134 | .4294 | 30.02 | 432.1 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|---------------|---------------|
| #1 | 3.099 | -1.132 | 110.0 | 234.6 | -.5820 | .5855 |
| #2 | -.7471 | -.0182 | 110.4 | 236.6 | -.8391 | -.3635 |
| #3 | -.8356 | 5.551 | 110.7 | 235.3 | -.4700 | .1075 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111341-D-8-A@4 Acquired: 4/10/2016 16:43:04 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.761 | 29.61 | 251.9 | 1387. |
| Stddev | .456 | .11 | .6 | 11. |
| %RSD | 9.571 | .3582 | .2290 | .7888 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.293 | 29.52 | 251.2 | 1375. |
| #2 | 5.204 | 29.73 | 252.2 | 1397. |
| #3 | 4.784 | 29.59 | 252.2 | 1389. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9816.1 | 67610. | 10590. |
| Stddev | 54.1 | 217. | 31. |
| %RSD | .55147 | .32046 | .29286 |

| | | | |
|----|--------|--------|--------|
| #1 | 9776.9 | 67712. | 10559. |
| #2 | 9793.6 | 67361. | 10621. |
| #3 | 9877.9 | 67756. | 10591. |

Sample Name: 460-111424-A-1-A@4 Acquired: 4/10/2016 16:46:49 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 41960. | 27.10 | -.0219 | 375.2 | 2.630 | 5939. |
| Stddev | 746. | 1.90 | .2738 | 5.9 | .174 | 117. |
| %RSD | 1.779 | 7.009 | 1253. | 1.579 | 6.619 | 1.962 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 41220. | 25.88 | .2694 | 369.0 | 2.610 | 5831. |
| #2 | 41930. | 26.14 | -.2740 | 375.6 | 2.467 | 5925. |
| #3 | 42720. | 29.29 | -.0610 | 380.9 | 2.814 | 6063. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1610 | 25.43 | 72.46 | 39.23 | 57990. | 2650. |
| Stddev | .1034 | .49 | 1.23 | 1.05 | 920. | 33. |
| %RSD | 64.24 | 1.915 | 1.697 | 2.682 | 1.586 | 1.256 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | .2791 | 24.92 | 71.48 | 38.08 | 57110. | 2612. |
| #2 | .0864 | 25.47 | 72.06 | 39.46 | 57910. | 2673. |
| #3 | .1175 | 25.89 | 73.84 | 40.14 | 58950. | 2666. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111424-A-1-A@4 Acquired: 4/10/2016 16:46:49 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6466. | 931.2 | 192.0 | 34.98 | 166.1 | 4.387 |
| Stddev | 138. | 15.4 | 3.5 | .29 | 3.1 | .605 |
| %RSD | 2.133 | 1.652 | 1.817 | .8273 | 1.887 | 13.79 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 6334. | 915.7 | 192.1 | 34.72 | 162.5 | 4.271 |
| #2 | 6454. | 931.3 | 188.5 | 35.29 | 168.4 | 5.042 |
| #3 | 6609. | 946.5 | 195.5 | 34.92 | 167.4 | 3.848 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.493 | 1.342 | 122.5 | 267.0 | -3.164 | 2.758 |
| Stddev | 1.108 | 1.481 | 2.4 | 5.0 | .4351 | .086 |
| %RSD | 74.16 | 110.3 | 1.994 | 1.860 | 137.5 | 3.120 |

| | | | | | | |
|----|-------|--------|-------|-------|--------|-------|
| #1 | 2.715 | -.3256 | 120.4 | 261.6 | -.8166 | 2.660 |
| #2 | 1.212 | 1.851 | 122.0 | 267.9 | -.0257 | 2.793 |
| #3 | .5540 | 2.502 | 125.2 | 271.4 | -.1068 | 2.821 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111424-A-1-A@4 Acquired: 4/10/2016 16:46:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.039 | 55.75 | 219.9 | 1398. |
| Stddev | .226 | .87 | 2.9 | 9. |
| %RSD | 5.584 | 1.557 | 1.337 | .6235 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.148 | 54.96 | 216.6 | 1389. |
| #2 | 3.780 | 55.61 | 220.9 | 1398. |
| #3 | 4.190 | 56.68 | 222.3 | 1406. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9795.0 | 67112. | 10415. |
| Stddev | 28.6 | 432. | 122. |
| %RSD | .29191 | .64354 | 1.1736 |

| | | | |
|----|--------|--------|--------|
| #1 | 9793.2 | 66634. | 10513. |
| #2 | 9767.4 | 67227. | 10454. |
| #3 | 9824.5 | 67475. | 10278. |

Sample Name: CCV Acquired: 4/10/2016 16:50:37 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 120800. | 2465. | 1222. | 9968. | 987.6 | 123800. |
| Stddev | 142. | 8. | 4. | 2. | 1.6 | 968. |
| %RSD | .1174 | .3099 | .3376 | .0162 | .1619 | .7816 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 120700. | 2461. | 1227. | 9970. | 989.4 | 124900. |
| #2 | 120900. | 2473. | 1222. | 9967. | 986.3 | 123000. |
| #3 | 120900. | 2460. | 1218. | 9967. | 987.0 | 123600. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1234. | 2467. | 5019. | 12340. | 99580. | 48160. |
| Stddev | 2. | 3. | 32. | 35. | 611. | 165. |
| %RSD | .1492 | .1191 | .6379 | .2866 | .6131 | .3416 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1236. | 2470. | 5055. | 12330. | 100300. | 47990. |
| #2 | 1234. | 2467. | 4993. | 12380. | 99090. | 48160. |
| #3 | 1233. | 2464. | 5009. | 12310. | 99390. | 48320. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 16:50:37 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 124800. | 5083. | 123400. | 2491. | 7426. | 982.3 |
| Stddev | 845. | 29. | 224. | 4. | 6. | 4.1 |
| %RSD | .6773 | .5646 | .1817 | .1613 | .0755 | .4179 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 125800. | 5116. | 123700. | 2496. | 7426. | 977.6 |
| #2 | 124200. | 5062. | 123300. | 2490. | 7432. | 985.3 |
| #3 | 124500. | 5072. | 123300. | 2488. | 7421. | 984.0 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2431. | 2472. | 2476. | 2486. | 978.1 | 2421. |
| Stddev | 10. | 7. | 6. | 9. | 2.3 | 3. |
| %RSD | .4056 | .2923 | .2591 | .3634 | .2358 | .1333 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2419. | 2474. | 2483. | 2497. | 975.8 | 2418. |
| #2 | 2438. | 2464. | 2471. | 2483. | 980.4 | 2424. |
| #3 | 2434. | 2479. | 2475. | 2480. | 978.3 | 2422. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 16:50:37 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 984.2 | 4883. | 10070. | 9793. |
| Stddev | 2.5 | 11. | 28. | 74. |
| %RSD | .2553 | .2260 | .2777 | .7589 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 987.0 | 4871. | 10100. | 9724. |
| #2 | 983.6 | 4891. | 10060. | 9872. |
| #3 | 982.1 | 4888. | 10050. | 9785. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9170.3 | 62810. | 9844.4 |
| Stddev | 22.3 | 686. | 88.2 |
| %RSD | .24333 | 1.0927 | .89591 |

| | | | |
|----|--------|--------|--------|
| #1 | 9148.3 | 62070. | 9784.4 |
| #2 | 9193.0 | 63425. | 9945.7 |
| #3 | 9169.7 | 62934. | 9803.2 |

Sample Name: CCB Acquired: 4/10/2016 16:54:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.129 | .1835 | -.0075 | .1016 | -.0124 | -12.87 |
| Stddev | 2.207 | .7025 | .1314 | .5746 | .1547 | 7.39 |
| %RSD | 103.7 | 382.8 | 1755. | 565.7 | 1246. | 57.45 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | 3.020 | -.6033 | .0915 | .7636 | .0823 | -6.265 |
| #2 | -.3849 | .7480 | -.1565 | -.2678 | -.1909 | -11.49 |
| #3 | 3.750 | .4058 | .0426 | -.1911 | .0713 | -20.86 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0817 | .0950 | -.3462 | -.8080 | 4.352 | -19.08 |
| Stddev | .1226 | .1270 | .3183 | .3662 | 6.873 | 15.75 |
| %RSD | 150.0 | 133.7 | 91.94 | 45.32 | 157.9 | 82.53 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | .0021 | .1911 | -.1939 | -.6471 | 5.141 | -37.01 |
| #2 | -.2224 | -.0490 | -.7121 | -.5498 | -2.881 | -7.519 |
| #3 | -.0248 | .1428 | -.1327 | -1.227 | 10.80 | -12.71 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 16:54:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.098 | -.3254 | -42.48 | .0418 | .2189 | .1466 |
| Stddev | 2.881 | .1777 | 19.28 | .2240 | 1.331 | .7983 |
| %RSD | 47.25 | 54.62 | 45.40 | 535.5 | 608.1 | 544.6 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|---------------|---------------|
| #1 | -4.584 | -.1579 | -22.62 | .0870 | .2055 | -.3267 |
| #2 | -4.288 | -.3064 | -43.67 | .2398 | -1.106 | 1.068 |
| #3 | -9.421 | -.5118 | -61.14 | -.2013 | 1.557 | -.3018 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0230 | -.8791 | .1199 | -.1293 | -2.488 | -.4355 |
| Stddev | 2.968 | 1.195 | .3124 | .2241 | .192 | .4918 |
| %RSD | 12900. | 136.0 | 260.6 | 173.3 | 7.697 | 112.9 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|---------------|---------------|
| #1 | -3.315 | -1.287 | -.1949 | .1287 | -2.355 | .1297 |
| #2 | 1.018 | .4669 | .4298 | -.2756 | -2.401 | -.7653 |
| #3 | 2.366 | -1.817 | .1247 | -.2411 | -2.707 | -.6709 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 16:54:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.5292 | -.0647 | -.3652 | 6.065 |
| Stddev | .1787 | .1598 | .1716 | 12.96 |
| %RSD | 33.78 | 247.1 | 47.00 | 213.7 |

| | | | | |
|----|---------------|---------------|---------------|---------------|
| #1 | -.3260 | .1194 | -.2586 | 17.18 |
| #2 | -.6624 | -.1447 | -.2737 | -8.169 |
| #3 | -.5990 | -.1686 | -.5631 | 9.184 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9699.8 | 65850. | 9922.4 |
| Stddev | 27.2 | 213. | 48.7 |
| %RSD | .28000 | .32305 | .49045 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9673.2 | 65629. | 9896.2 |
| #2 | 9698.8 | 65868. | 9892.5 |
| #3 | 9727.5 | 66053. | 9978.6 |

Sample Name: CCVL Acquired: 4/10/2016 16:58:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.0 | 14.47 | 9.997 | 206.9 | 2.034 | 5106. |
| Stddev | 4.9 | 1.01 | .119 | .3 | .240 | 18. |
| %RSD | 2.475 | 6.946 | 1.188 | .1365 | 11.81 | .3438 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 193.7 | 15.20 | 9.881 | 207.2 | 1.925 | 5108. |
| #2 | 203.4 | 14.90 | 10.12 | 206.9 | 2.310 | 5088. |
| #3 | 199.8 | 13.33 | 9.994 | 206.6 | 1.868 | 5123. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.902 | 51.66 | 10.04 | 23.58 | 154.7 | 4721. |
| Stddev | .048 | .27 | .79 | .63 | 4.4 | 47. |
| %RSD | 1.218 | .5143 | 7.902 | 2.652 | 2.840 | .9899 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.913 | 51.96 | 10.41 | 24.29 | 151.1 | 4725. |
| #2 | 3.850 | 51.54 | 10.57 | 23.33 | 153.5 | 4673. |
| #3 | 3.943 | 51.47 | 9.124 | 23.12 | 159.6 | 4766. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 16:58:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4993. | 15.74 | 4935. | 42.34 | 11.07 | 18.71 |
| Stddev | 47. | .10 | 32. | .39 | 1.05 | 2.10 |
| %RSD | .9423 | .6192 | .6479 | .9249 | 9.443 | 11.24 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5042. | 15.85 | 4934. | 42.78 | 11.45 | 20.55 |
| #2 | 4948. | 15.67 | 4904. | 42.23 | 9.892 | 19.16 |
| #3 | 4988. | 15.71 | 4968. | 42.02 | 11.88 | 16.42 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.50 | 18.38 | 51.48 | 31.23 | 45.56 | 17.43 |
| Stddev | 2.67 | 1.36 | .87 | .42 | .40 | .14 |
| %RSD | 15.24 | 7.388 | 1.684 | 1.339 | .8846 | .8032 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 14.44 | 16.86 | 52.33 | 31.02 | 45.61 | 17.34 |
| #2 | 19.31 | 18.81 | 51.52 | 31.71 | 45.94 | 17.59 |
| #3 | 18.75 | 19.47 | 50.60 | 30.96 | 45.14 | 17.37 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 16:58:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.67 | 20.12 | 19.41 | F -2.003 |
| Stddev | .11 | .08 | .26 | 25.30 |
| %RSD | .2239 | .3934 | 1.353 | 1263. |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 48.80 | 20.18 | 19.51 | 5.957 |
| #2 | 48.60 | 20.03 | 19.11 | -30.33 |
| #3 | 48.61 | 20.15 | 19.61 | 18.36 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9673.8 | 65831. | 9965.5 |
| Stddev | 4.5 | 448. | 106.6 |
| %RSD | .04609 | .67990 | 1.0694 |

| | | | |
|----|--------|--------|--------|
| #1 | 9668.8 | 65736. | 9858.8 |
| #2 | 9675.1 | 66318. | 10072. |
| #3 | 9677.4 | 65438. | 9965.6 |

Sample Name: 460-111424-A-2-A@4 Acquired: 4/10/2016 17:01:52 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 33310. | 23.97 | -.2047 | 257.7 | 1.489 | 2024. |
| Stddev | 173. | 1.36 | .3987 | .4 | .075 | 25. |
| %RSD | .5181 | 5.690 | 194.8 | .1741 | 5.026 | 1.250 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 33120. | 22.86 | .1930 | 258.2 | 1.485 | 1995. |
| #2 | 33350. | 23.55 | -.2027 | 257.3 | 1.565 | 2039. |
| #3 | 33450. | 25.49 | -.6043 | 257.6 | 1.415 | 2039. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4953 | 9.219 | 50.17 | 22.17 | 48500. | 1669. |
| Stddev | .1302 | .109 | .66 | .47 | 230. | 48. |
| %RSD | 26.29 | 1.181 | 1.318 | 2.103 | .4745 | 2.876 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.3777 | 9.250 | 49.58 | 21.66 | 48240. | 1625. |
| #2 | -.4730 | 9.310 | 50.88 | 22.57 | 48590. | 1721. |
| #3 | -.6353 | 9.099 | 50.05 | 22.28 | 48680. | 1662. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111424-A-2-A@4 Acquired: 4/10/2016 17:01:52 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4127. | 186.6 | 103.8 | 21.52 | 117.2 | 3.422 |
| Stddev | 70. | .7 | 2.5 | .14 | .9 | 1.617 |
| %RSD | 1.694 | .3909 | 2.384 | .6634 | .7577 | 47.26 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4050. | 185.8 | 104.6 | 21.42 | 116.2 | 1.571 |
| #2 | 4143. | 187.1 | 101.0 | 21.68 | 117.9 | 4.131 |
| #3 | 4187. | 186.9 | 105.8 | 21.45 | 117.4 | 4.563 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2250 | .1560 | 88.09 | 125.3 | -2.198 | .0559 |
| Stddev | 3.514 | 3.214 | 1.06 | 1.2 | .270 | .4307 |
| %RSD | 1562. | 2060. | 1.209 | .9525 | 12.26 | 770.6 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|--------|
| #1 | -.8147 | -3.025 | 86.88 | 124.4 | -1.902 | .4082 |
| #2 | -2.652 | .0911 | 88.51 | 124.7 | -2.429 | -.4243 |
| #3 | 4.142 | 3.402 | 88.88 | 126.6 | -2.264 | .1837 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111424-A-2-A@4 Acquired: 4/10/2016 17:01:52 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3.769 | 24.90 | 148.1 | 1293. |
| Stddev | .130 | .14 | 1.4 | 10. |
| %RSD | 3.453 | .5477 | .9260 | .7524 |

| | | | | |
|----|--------------|--------------|--------------|--------------|
| #1 | 3.789 | 24.75 | 146.7 | 1300. |
| #2 | 3.888 | 24.98 | 148.3 | 1282. |
| #3 | 3.630 | 24.98 | 149.4 | 1298. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9717.9 | 66300. | 10312. |
| Stddev | 32.7 | 174. | 107. |
| %RSD | .33644 | .26248 | 1.0363 |

| | | | |
|----|--------|--------|--------|
| #1 | 9681.7 | 66474. | 10417. |
| #2 | 9726.7 | 66126. | 10316. |
| #3 | 9745.4 | 66301. | 10203. |

Sample Name: 460-111424-A-3-A@4 Acquired: 4/10/2016 17:05:37 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 53190. | 33.66 | .6567 | 1099. | 4.594 | 10480. |
| Stddev | 84. | .87 | .4435 | 3. | .169 | 85. |
| %RSD | .1574 | 2.578 | 67.54 | .2479 | 3.679 | .8155 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 53290. | 32.83 | .4318 | 1100. | 4.687 | 10580. |
| #2 | 53150. | 34.57 | .3706 | 1101. | 4.697 | 10420. |
| #3 | 53130. | 33.59 | 1.168 | 1096. | 4.399 | 10430. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6375 | 72.53 | 167.9 | 45.66 | 165800. | 12900. |
| Stddev | .2961 | .39 | 1.7 | .38 | 821. | 61. |
| %RSD | 46.46 | .5333 | 1.023 | .8250 | .4948 | .4755 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.9792 | 72.35 | 169.7 | 45.23 | 166800. | 12890. |
| #2 | -.4774 | 72.26 | 166.3 | 45.85 | 165200. | 12850. |
| #3 | -.4558 | 72.97 | 167.8 | 45.90 | 165500. | 12970. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111424-A-3-A@4 Acquired: 4/10/2016 17:05:37 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 40000. | 6032. | 810.9 | 189.4 | 89.00 | 9.059 |
| Stddev | 339. | 29. | 7.3 | .8 | 1.79 | 2.061 |
| %RSD | .8467 | .4866 | .8954 | .4067 | 2.006 | 22.75 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 40380. | 6066. | 802.6 | 189.2 | 90.53 | 11.11 |
| #2 | 39740. | 6012. | 816.0 | 188.9 | 89.44 | 9.087 |
| #3 | 39870. | 6018. | 814.0 | 190.3 | 87.04 | 6.984 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1457 | 12.02 | 181.4 | 409.6 | 62.28 | 3.114 |
| Stddev | 2.988 | 1.87 | .8 | 2.8 | .81 | .582 |
| %RSD | 2052. | 15.55 | .4161 | .6815 | 1.307 | 18.68 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | -.8359 | 13.81 | 182.3 | 410.3 | 61.36 | 3.047 |
| #2 | 3.501 | 10.08 | 180.9 | 406.5 | 62.88 | 2.569 |
| #3 | -2.228 | 12.16 | 181.0 | 411.9 | 62.61 | 3.727 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111424-A-3-A@4 Acquired: 4/10/2016 17:05:37 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.556 | 52.27 | 2785. | 968.1 |
| Stddev | .858 | .30 | 7. | 16.3 |
| %RSD | 15.44 | .5720 | .2584 | 1.678 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 6.282 | 51.93 | 2793. | 949.4 |
| #2 | 5.777 | 52.36 | 2781. | 978.3 |
| #3 | 4.609 | 52.50 | 2781. | 976.7 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9796.6 | 66983. | 10347. |
| Stddev | 108.4 | 1182. | 365. |
| %RSD | 1.1063 | 1.7643 | 3.5240 |

| | | | |
|----|--------|--------|--------|
| #1 | 9673.2 | 65619. | 9926.9 |
| #2 | 9876.3 | 67708. | 10584. |
| #3 | 9840.2 | 67621. | 10529. |

Sample Name: 460-111424-A-4-A@4 Acquired: 4/10/2016 17:09:20 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 67740. | 21.73 | -.6695 | 493.0 | 5.052 | 8475. |
| Stddev | 311. | .39 | .3825 | 1.0 | .096 | 60. |
| %RSD | .4589 | 1.782 | 57.13 | .1960 | 1.903 | .7101 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 67480. | 22.14 | -.2679 | 493.8 | 4.944 | 8446. |
| #2 | 67660. | 21.38 | -.7112 | 493.3 | 5.130 | 8435. |
| #3 | 68090. | 21.66 | -1.029 | 491.9 | 5.081 | 8544. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0399 | 83.90 | 184.7 | 55.86 | 187100. | 15570. |
| Stddev | .2113 | .20 | .7 | .57 | 906. | 69. |
| %RSD | 529.7 | .2420 | .4000 | 1.022 | .4843 | .4416 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.0082 | 84.09 | 183.8 | 55.26 | 186500. | 15510. |
| #2 | .1537 | 83.91 | 185.3 | 56.39 | 186700. | 15550. |
| #3 | -.2652 | 83.69 | 184.9 | 55.93 | 188200. | 15640. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111424-A-4-A@4 Acquired: 4/10/2016 17:09:20 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49900. | 2685. | 954.8 | 194.2 | 96.13 | 11.61 |
| Stddev | 387. | 12. | 7.7 | 1.0 | 1.07 | 2.97 |
| %RSD | .7760 | .4352 | .8019 | .5128 | 1.117 | 25.56 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 49650. | 2677. | 962.0 | 195.3 | 94.90 | 14.31 |
| #2 | 49700. | 2679. | 955.6 | 193.6 | 96.71 | 12.09 |
| #3 | 50340. | 2698. | 946.8 | 193.6 | 96.79 | 8.431 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.026 | 7.931 | 163.8 | 472.9 | 77.89 | 2.928 |
| Stddev | 2.657 | 2.668 | 1.5 | 4.9 | .45 | .421 |
| %RSD | 87.79 | 33.64 | .8879 | 1.030 | .5739 | 14.38 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | -5.944 | 6.188 | 163.3 | 478.1 | 78.21 | 3.010 |
| #2 | -.7464 | 11.00 | 162.6 | 472.3 | 78.08 | 3.303 |
| #3 | -2.389 | 6.603 | 165.4 | 468.4 | 77.38 | 2.472 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111424-A-4-A@4 Acquired: 4/10/2016 17:09:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.179 | 48.73 | 3057. | 856.8 |
| Stddev | .648 | .06 | 3. | 11.3 |
| %RSD | 10.49 | .1234 | .1036 | 1.317 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 5.455 | 48.67 | 3054. | 853.7 |
| #2 | 6.704 | 48.73 | 3057. | 869.3 |
| #3 | 6.377 | 48.79 | 3061. | 847.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9676.5 | 65536. | 10143. |
| Stddev | 66.6 | 560. | 240. |
| %RSD | .68792 | .85448 | 2.3682 |

| | | | |
|----|--------|--------|--------|
| #1 | 9620.4 | 65653. | 10224. |
| #2 | 9659.2 | 66028. | 10332. |
| #3 | 9750.1 | 64927. | 9872.5 |

Sample Name: 460-111377-E-2-B Acquired: 4/10/2016 17:13:02 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.69 | 1.049 | .3653 | 141.5 | -.0292 | 178800. |
| Stddev | 3.47 | 1.850 | .1134 | .4 | .0522 | 854. |
| %RSD | 16.77 | 176.4 | 31.04 | .2536 | 178.6 | .4775 |
| #1 | 18.34 | -.9253 | .4483 | 141.3 | -.0266 | 177900. |
| #2 | 19.05 | 1.330 | .2361 | 141.9 | .0216 | 178700. |
| #3 | 24.67 | 2.743 | .4117 | 141.3 | -.0827 | 179600. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1496 | 1.784 | -1.618 | .6752 | 13.37 | 45220. |
| Stddev | .0355 | .096 | .227 | .4539 | 9.72 | 92. |
| %RSD | 23.71 | 5.378 | 14.01 | 67.22 | 72.73 | .2044 |
| #1 | -.1350 | 1.894 | -1.379 | .1587 | 14.52 | 45140. |
| #2 | -.1901 | 1.739 | -1.645 | .8567 | 3.121 | 45320. |
| #3 | -.1238 | 1.718 | -1.831 | 1.010 | 22.46 | 45200. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-E-2-B Acquired: 4/10/2016 17:13:02 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 41650. | 334.2 | F 251800. | 8.115 | -1.128 | 1.319 |
| Stddev | 239. | 1.5 | 1353. | .651 | .168 | 2.591 |
| %RSD | .5731 | .4414 | .5374 | 8.026 | 14.85 | 196.5 |

| | | | | | | |
|----|--------|-------|---------|-------|--------|--------|
| #1 | 41400. | 333.0 | 253300. | 7.657 | -.9347 | -1.058 |
| #2 | 41660. | 333.8 | 251400. | 7.828 | -1.223 | 4.082 |
| #3 | 41880. | 335.8 | 250700. | 8.861 | -1.226 | .9337 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 250000. | | | |
| Low Limit | | | -5000. | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.951 | -1.2583 | .8398 | 8.989 | 572.6 | 6.881 |
| Stddev | 2.092 | 1.362 | .3711 | .181 | .6 | .246 |
| %RSD | 42.26 | 527.1 | 44.19 | 2.018 | .1016 | 3.572 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -2.582 | -1.759 | 1.173 | 8.830 | 571.9 | 6.601 |
| #2 | -5.725 | .0855 | .4398 | 8.950 | 572.8 | 7.063 |
| #3 | -6.546 | .8984 | .9066 | 9.187 | 573.0 | 6.978 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-E-2-B Acquired: 4/10/2016 17:13:02 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.904 | 1264. | .4148 | 9714. |
| Stddev | .262 | 2. | .2882 | 130. |
| %RSD | 13.77 | .1866 | 69.48 | 1.341 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | -1.641 | 1263. | .6001 | 9573. |
| #2 | -2.166 | 1267. | .0827 | 9830. |
| #3 | -1.905 | 1263. | .5616 | 9741. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9164.0 | 63182. | 9889.3 |
| Stddev | 69.7 | 691. | 71.0 |
| %RSD | .76082 | 1.0942 | .71745 |

| | | | |
|----|--------|--------|--------|
| #1 | 9237.5 | 63880. | 9903.1 |
| #2 | 9155.9 | 63170. | 9952.4 |
| #3 | 9098.8 | 62497. | 9812.5 |

Sample Name: 460-111377-F-3-B Acquired: 4/10/2016 17:16:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.05 | 4.084 | .2685 | 139.0 | -.1156 | 138900. |
| Stddev | 3.86 | 1.424 | .2858 | .4 | .1073 | 1290. |
| %RSD | 18.33 | 34.87 | 106.4 | .2778 | 92.81 | .9286 |
| #1 | 17.57 | 2.546 | .5333 | 138.7 | -.1589 | 139200. |
| #2 | 20.37 | 5.357 | -.0345 | 138.9 | -.1946 | 140100. |
| #3 | 25.20 | 4.348 | .3067 | 139.5 | .0066 | 137500. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1135 | 1.502 | -1.192 | -.0151 | -17.35 | 41670. |
| Stddev | .0408 | .276 | .206 | .5385 | 14.32 | 259. |
| %RSD | 35.92 | 18.36 | 17.27 | 3560. | 82.52 | .6211 |
| #1 | -.1190 | 1.186 | -1.012 | .5780 | -30.55 | 41470. |
| #2 | -.1513 | 1.695 | -1.148 | -.4733 | -19.37 | 41960. |
| #3 | -.0703 | 1.624 | -1.417 | -.1501 | -2.131 | 41570. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-F-3-B Acquired: 4/10/2016 17:16:51 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 48870. | 633.8 | 156600. | 5.266 | -.2092 | 1.833 |
| Stddev | 427. | 3.5 | 640. | .632 | .5013 | 1.935 |
| %RSD | .8731 | .5549 | .4090 | 12.01 | 239.6 | 105.6 |

| | | | | | | |
|----|--------|-------|---------|-------|--------|--------|
| #1 | 48950. | 634.1 | 156600. | 5.991 | -.2596 | 2.914 |
| #2 | 49250. | 637.2 | 157200. | 4.978 | .3154 | -.4013 |
| #3 | 48410. | 630.2 | 155900. | 4.828 | -.6835 | 2.986 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.330 | -.8863 | 3.401 | 18.89 | 742.3 | 8.080 |
| Stddev | 2.911 | 1.883 | .287 | .11 | 6.3 | .362 |
| %RSD | 87.40 | 212.4 | 8.426 | .5649 | .8536 | 4.482 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -4.853 | .0563 | 3.702 | 18.97 | 735.3 | 7.662 |
| #2 | -5.164 | -3.054 | 3.132 | 18.93 | 743.9 | 8.296 |
| #3 | .0260 | .3388 | 3.369 | 18.77 | 747.6 | 8.281 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-F-3-B Acquired: 4/10/2016 17:16:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.423 | 1062. | .5428 | 10160. |
| Stddev | .806 | 3. | .1454 | 231. |
| %RSD | 56.64 | .3132 | 26.78 | 2.273 |

| | | | | |
|----|---------------|--------------|--------------|---------------|
| #1 | -.8441 | 1058. | .5113 | 10080. |
| #2 | -2.344 | 1062. | .4158 | 9985. |
| #3 | -1.081 | 1065. | .7013 | 10420. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9220.3 | 62577. | 9632.7 |
| Stddev | 74.0 | 992. | 272.0 |
| %RSD | .80252 | 1.5853 | 2.8239 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9187.8 | 62516. | 9654.3 |
| #2 | 9168.1 | 61617. | 9350.4 |
| #3 | 9305.0 | 63598. | 9893.2 |

Sample Name: 460-111377-E-4-B Acquired: 4/10/2016 17:20:39 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.28 | 1.234 | .0877 | 243.2 | -.0809 | 123100. |
| Stddev | 1.89 | .862 | .2982 | .2 | .1749 | 288. |
| %RSD | 10.96 | 69.79 | 340.1 | .0762 | 216.2 | .2338 |
| #1 | 17.00 | .3965 | .4316 | 243.4 | -.2744 | 123000. |
| #2 | 15.55 | 2.118 | -.0688 | 243.1 | .0659 | 122800. |
| #3 | 19.30 | 1.189 | -.0996 | 243.1 | -.0341 | 123400. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0011 | 1.823 | -1.425 | .6849 | -1.019 | 47200. |
| Stddev | .0500 | .138 | .335 | .2044 | 4.899 | 67. |
| %RSD | 4558. | 7.564 | 23.53 | 29.84 | 480.7 | .1418 |
| #1 | -.0029 | 1.977 | -1.535 | .4559 | -2.962 | 47230. |
| #2 | .0529 | 1.781 | -1.049 | .7498 | -4.649 | 47120. |
| #3 | -.0467 | 1.711 | -1.692 | .8490 | 4.553 | 47240. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-E-4-B Acquired: 4/10/2016 17:20:39 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 22080. | 480.1 | F 254500. | 10.78 | -.8335 | 3.280 |
| Stddev | 68. | .4 | 1784. | .82 | .8672 | 1.397 |
| %RSD | .3088 | .0785 | .7008 | 7.648 | 104.0 | 42.59 |

| | | | | | | |
|----|--------|-------|---------|-------|--------|-------|
| #1 | 22050. | 480.1 | 256500. | 10.71 | -.0778 | 4.882 |
| #2 | 22030. | 479.7 | 254100. | 9.993 | -1.780 | 2.643 |
| #3 | 22160. | 480.5 | 253000. | 11.64 | -.6423 | 2.316 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 250000. | | | |
| Low Limit | | | -5000. | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.909 | -.8057 | .8952 | 28.12 | 448.4 | 2.511 |
| Stddev | 3.543 | 2.444 | .1465 | .25 | 2.2 | .202 |
| %RSD | 90.62 | 303.4 | 16.36 | .8732 | .4979 | 8.026 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -5.150 | 1.868 | .7952 | 27.90 | 451.0 | 2.559 |
| #2 | .0866 | -1.359 | 1.063 | 28.07 | 447.0 | 2.290 |
| #3 | -6.665 | -2.926 | .8271 | 28.38 | 447.3 | 2.685 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-E-4-B Acquired: 4/10/2016 17:20:39 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.433 | 780.2 | .1112 | 9114. |
| Stddev | .646 | 1.9 | .1899 | 137. |
| %RSD | 45.10 | .2451 | 170.8 | 1.501 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.6940 | 780.5 | .1630 | 8956. |
| #2 | -1.892 | 782.0 | -.0993 | 9202. |
| #3 | -1.714 | 778.2 | .2698 | 9183. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9179.1 | 62522. | 9764.3 |
| Stddev | 52.0 | 366. | 96.0 |
| %RSD | .56638 | .58613 | .98327 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9216.3 | 62661. | 9777.7 |
| #2 | 9201.3 | 62800. | 9852.8 |
| #3 | 9119.7 | 62107. | 9662.2 |

Sample Name: 460-111377-E-4-B@2 Acquired: 4/10/2016 17:24:29 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.185 | -1.747 | .5439 | 121.6 | -.0016 | 60830. |
| Stddev | 3.599 | .372 | .3280 | .2 | .1014 | 229. |
| %RSD | 113.0 | 21.31 | 60.30 | .1578 | 6251. | .3759 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|--------|
| #1 | -6.885 | -2.164 | .9214 | 121.6 | -.1023 | 60570. |
| #2 | .3038 | -1.626 | .3820 | 121.8 | .1005 | 60960. |
| #3 | -2.973 | -1.450 | .3284 | 121.4 | -.0030 | 60960. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0091 | .6565 | -.6328 | -.0445 | -.0925 | 23270. |
| Stddev | .1405 | .1762 | .3251 | .1969 | 4.872 | 64. |
| %RSD | 1549. | 26.84 | 51.37 | 442.7 | 5269. | .2758 |

| | | | | | | |
|----|--------|-------|--------|--------|--------|--------|
| #1 | -.1272 | .5411 | -.9432 | .1809 | 4.943 | 23200. |
| #2 | -.0463 | .5690 | -.2949 | -.1836 | -4.782 | 23300. |
| #3 | .1463 | .8593 | -.6603 | -.1307 | -.4385 | 23320. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-E-4-B@2 Acquired: 4/10/2016 17:24:29 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10950. | 239.9 | 128200. | 5.126 | .6583 | 3.429 |
| Stddev | 34. | .3 | 213. | .229 | 1.187 | 1.205 |
| %RSD | .3137 | .1047 | .1664 | 4.461 | 180.3 | 35.13 |

| | | | | | | |
|----|---------------|--------------|----------------|--------------|---------------|--------------|
| #1 | 10910. | 239.7 | 128300. | 4.866 | .6402 | 4.768 |
| #2 | 10960. | 240.1 | 128300. | 5.297 | 1.854 | 3.089 |
| #3 | 10970. | 239.7 | 127900. | 5.215 | -.5193 | 2.431 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.872 | -2.464 | .3947 | 14.04 | 222.0 | -.0390 |
| Stddev | 1.962 | 1.369 | .3208 | .14 | 2.8 | .2741 |
| %RSD | 33.42 | 55.53 | 81.27 | 1.031 | 1.244 | 702.6 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|--------------|---------------|
| #1 | -6.673 | -3.962 | .0309 | 13.97 | 221.7 | -.3398 |
| #2 | -7.308 | -1.279 | .5164 | 14.21 | 224.9 | .1966 |
| #3 | -3.636 | -2.152 | .6369 | 13.95 | 219.4 | .0261 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-E-4-B@2 Acquired: 4/10/2016 17:24:29 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.263 | 390.4 | -.0840 | 4372. |
| Stddev | .928 | 1.7 | .3425 | 125. |
| %RSD | 73.48 | .4457 | 407.7 | 2.850 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -2.108 | 388.4 | -.4644 | 4239. |
| #2 | -1.410 | 391.8 | .1998 | 4393. |
| #3 | -.2699 | 391.0 | .0126 | 4485. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9383.3 | 63633. | 9555.1 |
| Stddev | 14.0 | 314. | 195.4 |
| %RSD | .14960 | .49416 | 2.0452 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9387.3 | 63993. | 9329.5 |
| #2 | 9367.7 | 63497. | 9673.9 |
| #3 | 9394.9 | 63409. | 9661.8 |

Sample Name: 460-111377-G-5-B Acquired: 4/10/2016 17:28:18 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 28.83 | .5498 | .1240 | 255.9 | -.0666 | 131400. |
| Stddev | 10.25 | 1.554 | .4044 | .5 | .0626 | 1191. |
| %RSD | 35.54 | 282.6 | 326.2 | .1809 | 94.04 | .9066 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|---------|
| #1 | 20.58 | .3415 | -.0197 | 255.8 | -.0114 | 130900. |
| #2 | 40.30 | -.8891 | -.1889 | 256.4 | -.0537 | 132700. |
| #3 | 25.61 | 2.197 | .5805 | 255.5 | -.1346 | 130500. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0414 | 1.051 | -1.176 | 3.087 | -13.25 | 45850. |
| Stddev | .0486 | .170 | .479 | .500 | 2.30 | 115. |
| %RSD | 117.6 | 16.15 | 40.74 | 16.18 | 17.34 | .2516 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|--------|
| #1 | .0941 | .9450 | -.6282 | 3.107 | -14.77 | 45790. |
| #2 | .0318 | 1.246 | -1.385 | 2.577 | -14.38 | 45980. |
| #3 | -.0018 | .9608 | -1.516 | 3.575 | -10.61 | 45780. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-G-5-B Acquired: 4/10/2016 17:28:18 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 39870. | 141.7 | 164500. | 14.09 | 1.579 | 5.351 |
| Stddev | 327. | 1.5 | 509. | .40 | .098 | 2.538 |
| %RSD | .8201 | 1.076 | .3094 | 2.829 | 6.202 | 47.43 |

| | | | | | | |
|----|--------|-------|---------|-------|-------|-------|
| #1 | 39670. | 140.0 | 164900. | 13.63 | 1.511 | 4.442 |
| #2 | 40250. | 142.0 | 164800. | 14.37 | 1.535 | 8.219 |
| #3 | 39690. | 143.0 | 163900. | 14.26 | 1.691 | 3.394 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.122 | -.2119 | .5422 | 86.38 | 750.0 | 2.270 |
| Stddev | 2.982 | 2.714 | .2752 | .45 | 4.5 | .176 |
| %RSD | 265.7 | 1281. | 50.76 | .5200 | .5967 | 7.763 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -.6553 | 2.385 | .3412 | 86.85 | 746.7 | 2.376 |
| #2 | 1.598 | .0094 | .8559 | 85.96 | 748.2 | 2.067 |
| #3 | -4.310 | -3.030 | .4297 | 86.32 | 755.1 | 2.368 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-G-5-B Acquired: 4/10/2016 17:28:18 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.780 | 1125. | .0338 | 11400. |
| Stddev | .512 | 2. | .0798 | 193. |
| %RSD | 28.79 | .1536 | 235.9 | 1.693 |

| | | | | |
|----|--------|-------|--------|--------|
| #1 | -2.371 | 1127. | .0294 | 11330. |
| #2 | -1.471 | 1123. | -.0437 | 11240. |
| #3 | -1.496 | 1125. | .1158 | 11610. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9206.6 | 62397. | 9610.4 |
| Stddev | 13.9 | 996. | 229.0 |
| %RSD | .15141 | 1.5956 | 2.3828 |

| | | | |
|----|--------|--------|--------|
| #1 | 9191.0 | 62847. | 9699.4 |
| #2 | 9211.2 | 61256. | 9350.3 |
| #3 | 9217.8 | 63088. | 9781.7 |

Sample Name: 460-111377-I-6-B Acquired: 4/10/2016 17:32:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 28.89 | 3.086 | .4448 | 92.43 | .0006 | 129900. |
| Stddev | 12.48 | 2.658 | .5873 | .55 | .1780 | 749. |
| %RSD | 43.22 | 86.14 | 132.1 | .5972 | 30610. | .5765 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|---------|
| #1 | 36.16 | .0166 | .1660 | 92.40 | .0759 | 129700. |
| #2 | 14.47 | 4.619 | 1.120 | 92.99 | .1285 | 129200. |
| #3 | 36.03 | 4.623 | .0488 | 91.89 | -.2027 | 130700. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0138 | .5992 | -1.522 | .3888 | -7.929 | 37850. |
| Stddev | .0273 | .2205 | .450 | .2428 | 12.49 | 66. |
| %RSD | 197.2 | 36.80 | 29.58 | 62.44 | 157.6 | .1735 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|--------|
| #1 | -.0156 | .7836 | -1.498 | .1086 | -13.92 | 37860. |
| #2 | .0383 | .3550 | -1.983 | .5230 | -16.30 | 37780. |
| #3 | .0188 | .6590 | -1.084 | .5349 | 6.432 | 37910. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-I-6-B Acquired: 4/10/2016 17:32:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 47940. | 102.3 | 157500. | 4.072 | 1.325 | 1.999 |
| Stddev | 299. | 1.5 | 506. | .677 | 1.731 | .861 |
| %RSD | .6237 | 1.502 | .3211 | 16.62 | 130.7 | 43.08 |

| | | | | | | |
|----|--------|-------|---------|-------|-------|-------|
| #1 | 47880. | 101.3 | 158100. | 3.298 | .3283 | 1.791 |
| #2 | 47670. | 101.6 | 157200. | 4.549 | .3221 | 1.261 |
| #3 | 48260. | 104.1 | 157300. | 4.369 | 3.324 | 2.945 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.109 | -2.308 | .8046 | 2.572 | 614.6 | 6.176 |
| Stddev | .396 | 4.164 | .1055 | .044 | 4.7 | .100 |
| %RSD | 18.80 | 180.4 | 13.11 | 1.694 | .7674 | 1.624 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -1.727 | -4.099 | .9210 | 2.578 | 616.6 | 6.260 |
| #2 | -2.080 | -5.276 | .7154 | 2.526 | 617.9 | 6.203 |
| #3 | -2.519 | 2.451 | .7774 | 2.613 | 609.2 | 6.065 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-I-6-B Acquired: 4/10/2016 17:32:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.793 | 962.1 | .1245 | 11290. |
| Stddev | .478 | .5 | .1677 | 232. |
| %RSD | 26.65 | .0566 | 134.8 | 2.053 |

| | | | | |
|----|--------|-------|--------|--------|
| #1 | -1.778 | 962.3 | -.0161 | 11040. |
| #2 | -1.323 | 962.5 | .0794 | 11490. |
| #3 | -2.278 | 961.5 | .3101 | 11360. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9078.8 | 62465. | 9703.1 |
| Stddev | 80.3 | 564. | 139.3 |
| %RSD | .88430 | .90312 | 1.4352 |

| | | | |
|----|--------|--------|--------|
| #1 | 9110.4 | 62652. | 9688.6 |
| #2 | 9138.4 | 62912. | 9849.1 |
| #3 | 8987.5 | 61831. | 9571.7 |

Sample Name: pds460-111850-A-1-A Acquired: 4/10/2016 17:35:55 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 65920. | 1951. | 51.45 | 2223. | 52.27 | 26650. |
| Stddev | 157. | 4. | .69 | 1. | .26 | 47. |
| %RSD | .2385 | .2198 | 1.340 | .0511 | .4958 | .1747 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 65770. | 1947. | 51.85 | 2224. | 52.23 | 26600. |
| #2 | 66080. | 1952. | 51.84 | 2222. | 52.54 | 26690. |
| #3 | 65920. | 1955. | 50.65 | 2222. | 52.03 | 26680. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 48.08 | 517.3 | 291.1 | 326.1 | 87300. | 19850. |
| Stddev | .08 | .2 | 1.2 | 1.5 | 147. | 99. |
| %RSD | .1578 | .0392 | .4270 | .4494 | .1688 | .4985 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 48.02 | 517.5 | 292.5 | 327.8 | 87190. | 19780. |
| #2 | 48.16 | 517.1 | 290.2 | 325.6 | 87260. | 19960. |
| #3 | 48.04 | 517.3 | 290.6 | 325.0 | 87470. | 19810. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds460-111850-A-1-A Acquired: 4/10/2016 17:35:55 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 27310. | 1900. | 19330. | 559.1 | 805.3 | 467.4 |
| Stddev | 120. | 3. | 52. | .8 | 1.9 | 4.1 |
| %RSD | .4407 | .1839 | .2675 | .1379 | .2407 | .8876 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 27180. | 1897. | 19290. | 558.3 | 805.9 | 472.0 |
| #2 | 27340. | 1900. | 19390. | 559.5 | 803.1 | 464.1 |
| #3 | 27420. | 1904. | 19320. | 559.6 | 806.8 | 466.0 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1860. | 1984. | 638.2 | 699.4 | 491.8 | 469.6 |
| Stddev | 11. | 8. | 2.4 | 1.4 | 2.2 | 2.9 |
| %RSD | .6037 | .3912 | .3816 | .1995 | .4380 | .6195 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1871. | 1980. | 641.0 | 697.8 | 493.1 | 471.2 |
| #2 | 1848. | 1978. | 636.6 | 699.7 | 489.3 | 466.2 |
| #3 | 1861. | 1993. | 636.9 | 700.5 | 493.1 | 471.2 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds460-111850-A-1-A Acquired: 4/10/2016 17:35:55 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 498.7 | 530.6 | 2271. | 1054. |
| Stddev | 2.5 | .4 | 5. | 16. |
| %RSD | .4944 | .0763 | .2233 | 1.536 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 500.1 | 531.1 | 2266. | 1041. |
| #2 | 495.9 | 530.6 | 2272. | 1048. |
| #3 | 500.2 | 530.3 | 2276. | 1072. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9617.8 | 65550. | 10139. |
| Stddev | 39.8 | 560. | 94. |
| %RSD | .41411 | .85442 | .92565 |

| | | | |
|----|--------|--------|--------|
| #1 | 9572.1 | 64910. | 10178. |
| #2 | 9636.5 | 65785. | 10032. |
| #3 | 9644.8 | 65953. | 10207. |

Sample Name: CCV Acquired: 4/10/2016 17:39:27 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121300. | 2465. | 1231. | 9971. | 989.7 | 125200. |
| Stddev | 299. | 5. | 3. | 9. | 3.2 | 509. |
| %RSD | .2467 | .1928 | .2094 | .0860 | .3272 | .4067 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 121000. | 2466. | 1233. | 9972. | 986.7 | 124700. |
| #2 | 121300. | 2460. | 1229. | 9962. | 989.4 | 125700. |
| #3 | 121600. | 2470. | 1229. | 9979. | 993.1 | 125400. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1237. | 2472. | 5084. | 12360. | 100500. | 48170. |
| Stddev | 1. | 1. | 13. | 67. | 289. | 121. |
| %RSD | .1059 | .0259 | .2540 | .5429 | .2875 | .2521 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1237. | 2472. | 5071. | 12440. | 100200. | 48050. |
| #2 | 1236. | 2471. | 5097. | 12340. | 100800. | 48170. |
| #3 | 1239. | 2472. | 5083. | 12310. | 100700. | 48300. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 17:39:27 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 126400. | 5129. | 123200. | 2497. | 7451. | 979.8 |
| Stddev | 546. | 12. | 101. | 1. | 3. | 1.2 |
| %RSD | .4323 | .2310 | .0820 | .0593 | .0461 | .1240 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 125800. | 5117. | 123200. | 2498. | 7450. | 980.7 |
| #2 | 126800. | 5141. | 123000. | 2495. | 7448. | 980.3 |
| #3 | 126500. | 5130. | 123200. | 2497. | 7455. | 978.4 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2425. | 2474. | 2495. | 2504. | 979.2 | 2418. |
| Stddev | 6. | 6. | 2. | 7. | 4.4 | 5. |
| %RSD | .2602 | .2626 | .0732 | .2739 | .4445 | .2213 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2424. | 2467. | 2495. | 2501. | 977.0 | 2418. |
| #2 | 2420. | 2475. | 2497. | 2512. | 976.4 | 2413. |
| #3 | 2432. | 2480. | 2493. | 2499. | 984.3 | 2424. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 17:39:27 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 986.8 | 4862. | 10120. | 9652. |
| Stddev | 2.8 | 4. | 11. | 133. |
| %RSD | .2850 | .0919 | .1043 | 1.375 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 983.8 | 4861. | 10130. | 9701. |
| #2 | 989.4 | 4859. | 10130. | 9752. |
| #3 | 987.1 | 4867. | 10110. | 9501. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9030.3 | 61404. | 9536.0 |
| Stddev | 17.9 | 519. | 116.1 |
| %RSD | .19803 | .84580 | 1.2173 |

| | | | |
|----|--------|--------|--------|
| #1 | 9041.6 | 62002. | 9664.7 |
| #2 | 9009.7 | 61062. | 9504.0 |
| #3 | 9039.5 | 61150. | 9439.3 |

Sample Name: CCB Acquired: 4/10/2016 17:42:56 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.971 | -1.240 | .2526 | .4512 | .1501 | -15.55 |
| Stddev | 11.34 | 1.010 | .4349 | 1.094 | .0928 | 7.17 |
| %RSD | 126.4 | 81.45 | 172.2 | 242.4 | 61.83 | 46.12 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|--------|
| #1 | 11.90 | -1.018 | .5518 | 1.713 | .2538 | -7.586 |
| #2 | -3.546 | -2.343 | .4523 | -.2128 | .0751 | -21.50 |
| #3 | 18.56 | -.3601 | -.2463 | -.1470 | .1212 | -17.57 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0266 | -.0261 | -.7849 | -.0175 | 4.072 | 7.764 |
| Stddev | .1821 | .3961 | .5210 | .5487 | 7.107 | 40.14 |
| %RSD | 685.2 | 1517. | 66.37 | 3130. | 174.6 | 517.0 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | .2360 | .3949 | -.6675 | .6010 | 4.188 | 54.06 |
| #2 | -.0948 | -.3912 | -.3327 | -.2080 | 11.12 | -13.61 |
| #3 | -.0615 | -.0820 | -1.355 | -.4456 | -3.093 | -17.17 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 17:42:56 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.730 | -.3801 | 25.72 | -.0443 | 1.524 | .5251 |
| Stddev | 6.211 | .1957 | 19.97 | .5935 | 1.500 | 2.448 |
| %RSD | 80.34 | 51.48 | 77.66 | 1340. | 98.40 | 466.2 |

| | | | | | | |
|----|---------------|---------------|--------------|---------------|--------------|---------------|
| #1 | -.8973 | -.1635 | 48.36 | .3822 | 3.155 | .8643 |
| #2 | -9.261 | -.4325 | 18.21 | -.7220 | .2054 | 2.786 |
| #3 | -13.03 | -.5442 | 10.59 | .2070 | 1.211 | -2.075 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.028 | .2063 | .2135 | -.1026 | -.5754 | -.4050 |
| Stddev | 3.556 | 2.632 | .2609 | .2596 | .8979 | .1532 |
| %RSD | 175.3 | 1276. | 122.2 | 253.1 | 156.0 | 37.82 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|---------------|---------------|
| #1 | -1.198 | .5844 | -.0857 | .1637 | .4508 | -.2869 |
| #2 | -5.926 | 2.628 | .3929 | -.1165 | -1.217 | -.5780 |
| #3 | 1.039 | -2.594 | .3334 | -.3549 | -.9604 | -.3500 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 17:42:56 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.131 | .2918 | -.5527 | -4.243 |
| Stddev | .793 | .4072 | .2193 | 4.202 |
| %RSD | 70.12 | 139.5 | 39.68 | 99.02 |

| | | | | |
|----|---------------|---------------|---------------|---------------|
| #1 | -.3230 | .2166 | -.2998 | -.5828 |
| #2 | -1.162 | -.0725 | -.6894 | -8.832 |
| #3 | -1.909 | .7314 | -.6690 | -3.316 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9635.2 | 65411. | 9914.3 |
| Stddev | 41.9 | 499. | 168.7 |
| %RSD | .43500 | .76262 | 1.7019 |

| | | | |
|----|--------|--------|--------|
| #1 | 9652.1 | 65624. | 10000. |
| #2 | 9666.0 | 65769. | 10023. |
| #3 | 9587.5 | 64841. | 9719.9 |

Sample Name: CCVL Acquired: 4/10/2016 17:46:51 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.4 | 12.57 | 9.883 | 204.9 | 1.987 | 5042. |
| Stddev | 5.6 | .58 | .284 | .3 | .152 | 31. |
| %RSD | 2.894 | 4.650 | 2.874 | .1561 | 7.668 | .6157 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 188.8 | 11.91 | 9.578 | 204.6 | 2.149 | 5038. |
| #2 | 199.7 | 12.99 | 10.14 | 205.3 | 1.962 | 5013. |
| #3 | 191.8 | 12.83 | 9.930 | 204.9 | 1.848 | 5074. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.000 | 51.38 | 9.487 | 23.26 | 154.7 | 4802. |
| Stddev | .079 | .42 | .540 | .56 | 7.2 | 67. |
| %RSD | 1.971 | .8227 | 5.692 | 2.397 | 4.655 | 1.401 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.992 | 50.89 | 10.01 | 23.68 | 162.4 | 4724. |
| #2 | 4.082 | 51.64 | 9.513 | 22.63 | 148.1 | 4841. |
| #3 | 3.925 | 51.60 | 8.934 | 23.47 | 153.4 | 4840. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 17:46:51 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4912. | 15.55 | 4917. | 41.86 | 11.20 | 19.63 |
| Stddev | 58. | .17 | 15. | .06 | .87 | 1.60 |
| %RSD | 1.190 | 1.063 | .3073 | .1470 | 7.777 | 8.153 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4900. | 15.54 | 4933. | 41.80 | 11.59 | 21.33 |
| #2 | 4861. | 15.39 | 4914. | 41.86 | 10.20 | 19.41 |
| #3 | 4976. | 15.72 | 4903. | 41.92 | 11.80 | 18.15 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.86 | 17.14 | 50.42 | 31.05 | 46.97 | 17.60 |
| Stddev | 1.46 | 1.95 | .79 | .41 | .75 | .33 |
| %RSD | 8.179 | 11.39 | 1.560 | 1.318 | 1.589 | 1.901 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 19.03 | 17.75 | 50.87 | 30.67 | 46.50 | 17.23 |
| #2 | 18.34 | 14.96 | 49.51 | 30.99 | 46.58 | 17.70 |
| #3 | 16.22 | 18.71 | 50.88 | 31.48 | 47.83 | 17.87 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 17:46:51 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.86 | 20.40 | 18.77 | F 7.435 |
| Stddev | .40 | .21 | .38 | 3.911 |
| %RSD | .8108 | 1.031 | 2.028 | 52.60 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 48.41 | 20.17 | 18.66 | 6.603 |
| #2 | 49.04 | 20.47 | 18.46 | 11.69 |
| #3 | 49.14 | 20.57 | 19.19 | 4.007 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9655.9 | 65748. | 9765.1 |
| Stddev | 43.0 | 334. | 121.5 |
| %RSD | .44545 | .50871 | 1.2446 |

| | | | |
|----|--------|--------|--------|
| #1 | 9675.6 | 65625. | 9679.9 |
| #2 | 9685.5 | 66126. | 9904.3 |
| #3 | 9606.5 | 65492. | 9711.1 |

Sample Name: 460-111850-A-1-C MS Acquired: 4/10/2016 17:50:43 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 65740. | 982.6 | 23.20 | 1215. | 26.87 | 16270. |
| Stddev | 187. | 6.6 | .70 | 3. | .15 | 32. |
| %RSD | .2847 | .6710 | 3.024 | .2401 | .5678 | .1940 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 65620. | 978.8 | 23.47 | 1216. | 26.71 | 16240. |
| #2 | 65950. | 978.7 | 22.41 | 1218. | 27.01 | 16300. |
| #3 | 65640. | 990.2 | 23.73 | 1212. | 26.91 | 16280. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.72 | 269.2 | 186.1 | 186.9 | 95280. | 11350. |
| Stddev | .25 | 1.5 | 1.5 | .2 | 25. | 69. |
| %RSD | 1.058 | .5462 | .8153 | .1068 | .0264 | .6056 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 23.79 | 270.2 | 185.8 | 187.0 | 95250. | 11300. |
| #2 | 23.44 | 267.5 | 187.7 | 186.7 | 95300. | 11430. |
| #3 | 23.93 | 270.0 | 184.7 | 187.1 | 95280. | 11330. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-1-C MS Acquired: 4/10/2016 17:50:43 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17820. | 1481. | 9698. | 308.3 | 517.9 | 107.7 |
| Stddev | 40. | 1. | 5. | 2.1 | 1.0 | 2.5 |
| %RSD | .2240 | .0728 | .0536 | .6821 | .1843 | 2.350 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 17770. | 1480. | 9692. | 309.2 | 518.8 | 110.3 |
| #2 | 17820. | 1481. | 9701. | 305.9 | 516.9 | 105.2 |
| #3 | 17850. | 1482. | 9700. | 309.9 | 518.0 | 107.5 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 913.8 | 990.3 | 356.4 | 448.0 | 230.4 | 229.2 |
| Stddev | 9.7 | 10.8 | .6 | 5.2 | 2.4 | 2.0 |
| %RSD | 1.064 | 1.091 | .1673 | 1.165 | 1.061 | .8663 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 904.4 | 979.1 | 356.2 | 444.7 | 227.7 | 226.9 |
| #2 | 923.8 | 1001. | 357.1 | 454.0 | 232.5 | 230.6 |
| #3 | 913.1 | 991.3 | 355.9 | 445.4 | 230.9 | 229.9 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-1-C MS Acquired: 4/10/2016 17:50:43 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 234.6 | 286.8 | 1830. | 1233. |
| Stddev | 1.5 | .9 | 4. | 27. |
| %RSD | .6528 | .3053 | .1919 | 2.170 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 232.9 | 286.5 | 1826. | 1219. |
| #2 | 235.6 | 287.8 | 1830. | 1216. |
| #3 | 235.5 | 286.1 | 1833. | 1264. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9499.2 | 63959. | 9609.2 |
| Stddev | 32.0 | 200. | 82.1 |
| %RSD | .33715 | .31240 | .85410 |

| | | | |
|----|--------|--------|--------|
| #1 | 9470.3 | 63738. | 9537.9 |
| #2 | 9533.6 | 64009. | 9590.9 |
| #3 | 9493.8 | 64128. | 9698.9 |

Sample Name: 460-111850-A-1-B DU Acquired: 4/10/2016 17:54:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 70410. | 61.08 | -.2012 | 277.7 | 2.554 | 8634. |
| Stddev | 282. | .76 | .0991 | .4 | .041 | 17. |
| %RSD | .4000 | 1.247 | 49.28 | .1402 | 1.589 | .1935 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 70100. | 61.81 | -.3091 | 277.2 | 2.590 | 8617. |
| #2 | 70480. | 60.29 | -.1803 | 278.0 | 2.562 | 8635. |
| #3 | 70650. | 61.15 | -.1141 | 277.8 | 2.510 | 8650. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4421 | 27.24 | 98.19 | 84.09 | 90050. | 2605. |
| Stddev | .1859 | .30 | 1.03 | .96 | 26. | 21. |
| %RSD | 42.06 | 1.086 | 1.053 | 1.147 | .0286 | .7911 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.2490 | 27.24 | 97.10 | 84.39 | 90020. | 2592. |
| #2 | -.4573 | 27.53 | 98.30 | 83.02 | 90060. | 2629. |
| #3 | -.6199 | 26.94 | 99.16 | 84.88 | 90070. | 2594. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-1-B DU Acquired: 4/10/2016 17:54:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 14510. | 1460. | 171.7 | 77.38 | 274.6 | 3.218 |
| Stddev | 22. | 2. | 1.0 | .76 | 3.2 | 1.790 |
| %RSD | .1490 | .1123 | .5968 | .9872 | 1.175 | 55.62 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 14480. | 1459. | 170.9 | 77.14 | 272.9 | 4.087 |
| #2 | 14520. | 1460. | 172.9 | 78.24 | 278.3 | 4.409 |
| #3 | 14520. | 1462. | 171.5 | 76.77 | 272.6 | 1.160 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.938 | 1.772 | 125.7 | 232.8 | .3894 | .8819 |
| Stddev | 4.288 | .313 | .9 | 2.0 | .2325 | .1806 |
| %RSD | 868.4 | 17.68 | .6911 | .8635 | 59.70 | 20.48 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | -.3814 | 1.602 | 125.2 | 231.3 | .5733 | .6788 |
| #2 | -4.837 | 1.580 | 125.2 | 235.1 | .4668 | .9427 |
| #3 | 3.737 | 2.133 | 126.7 | 232.1 | .1281 | 1.024 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-1-B DU Acquired: 4/10/2016 17:54:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 13.64 | 55.93 | 1735. | 994.5 |
| Stddev | .24 | .06 | 1. | 7.4 |
| %RSD | 1.775 | .1096 | .0625 | .7479 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 13.62 | 55.99 | 1736. | 990.5 |
| #2 | 13.89 | 55.93 | 1734. | 1003. |
| #3 | 13.40 | 55.86 | 1736. | 989.9 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9636.8 | 65381. | 9994.0 |
| Stddev | 19.4 | 98. | 171.8 |
| %RSD | .20143 | .14969 | 1.7192 |

| | | | |
|----|--------|--------|--------|
| #1 | 9634.3 | 65278. | 10192. |
| #2 | 9657.4 | 65472. | 9907.0 |
| #3 | 9618.8 | 65393. | 9883.1 |

Sample Name: 460-111850-A-1-A@4 Acquired: 4/10/2016 17:58:04 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 64040. | 60.05 | -.0587 | 261.9 | 2.494 | 7531. |
| Stddev | 247. | 1.46 | .1862 | .2 | .132 | 49. |
| %RSD | .3862 | 2.424 | 317.0 | .0950 | 5.302 | .6546 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 63780. | 58.43 | -.2631 | 261.7 | 2.642 | 7547. |
| #2 | 64060. | 61.24 | .1011 | 262.2 | 2.389 | 7571. |
| #3 | 64270. | 60.48 | -.0141 | 261.8 | 2.450 | 7476. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2733 | 27.24 | 89.84 | 82.89 | 87150. | 2543. |
| Stddev | .0901 | .26 | .64 | .47 | 143. | 31. |
| %RSD | 32.99 | .9662 | .7172 | .5707 | .1645 | 1.216 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.3702 | 26.94 | 89.12 | 82.34 | 86980. | 2535. |
| #2 | -.2577 | 27.36 | 90.06 | 83.22 | 87210. | 2577. |
| #3 | -.1920 | 27.42 | 90.35 | 83.10 | 87250. | 2516. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-1-A@4 Acquired: 4/10/2016 17:58:04 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8522. | 1409. | 176.7 | 61.31 | 327.6 | 4.495 |
| Stddev | 96. | 2. | 3.6 | .40 | 4.4 | .302 |
| %RSD | 1.122 | .1290 | 2.019 | .6446 | 1.341 | 6.731 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 8412. | 1407. | 172.6 | 61.29 | 322.6 | 4.823 |
| #2 | 8568. | 1410. | 179.1 | 60.93 | 329.5 | 4.227 |
| #3 | 8587. | 1411. | 178.3 | 61.72 | 330.7 | 4.434 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6851 | 2.052 | 150.5 | 217.9 | -1.427 | .7281 |
| Stddev | 1.253 | 1.587 | .9 | 2.3 | .326 | .3529 |
| %RSD | 182.9 | 77.34 | .5939 | 1.034 | 22.86 | 48.47 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|---------------|--------------|
| #1 | .6950 | 3.760 | 150.1 | 215.3 | -1.798 | .3467 |
| #2 | -.9998 | 1.776 | 151.5 | 218.8 | -1.297 | 1.043 |
| #3 | -1.750 | .6216 | 149.8 | 219.5 | -1.186 | .7946 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-1-A@4 Acquired: 4/10/2016 17:58:04 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 13.95 | 51.39 | 1763. | 1005. |
| Stddev | .23 | .11 | 4. | 7. |
| %RSD | 1.648 | .2212 | .2214 | .6830 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 13.75 | 51.44 | 1767. | 1012. |
| #2 | 14.20 | 51.26 | 1762. | 997.9 |
| #3 | 13.90 | 51.46 | 1760. | 1005. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9769.8 | 66551. | 10160. |
| Stddev | 31.5 | 96. | 89. |
| %RSD | .32223 | .14413 | .87930 |

| | | | |
|----|--------|--------|--------|
| #1 | 9735.1 | 66469. | 10245. |
| #2 | 9796.5 | 66657. | 10168. |
| #3 | 9778.0 | 66527. | 10067. |

Sample Name: sd460-111850-A-1-A@2 Acquired: 4/10/2016 18:01:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12980. | 11.57 | .2343 | 52.41 | .5029 | 1520. |
| Stddev | 40. | .95 | .1163 | .25 | .0842 | 5. |
| %RSD | .3050 | 8.227 | 49.64 | .4701 | 16.75 | .3559 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 12940. | 12.62 | .1448 | 52.43 | .5992 | 1515. |
| #2 | 13020. | 11.33 | .1922 | 52.65 | .4666 | 1519. |
| #3 | 12980. | 10.76 | .3658 | 52.16 | .4429 | 1525. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1950 | 5.444 | 17.58 | 15.45 | 17960. | 476.2 |
| Stddev | .0559 | .151 | .76 | .19 | 63. | 36.9 |
| %RSD | 28.66 | 2.769 | 4.347 | 1.227 | .3513 | 7.742 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.1493 | 5.288 | 17.57 | 15.46 | 18030. | 517.5 |
| #2 | -.1785 | 5.457 | 16.82 | 15.26 | 17900. | 464.7 |
| #3 | -.2573 | 5.588 | 18.35 | 15.64 | 17950. | 446.5 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111850-A-1-A@2 Acquired: 4/10/2016 18:01:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1698. | 285.5 | -3.488 | 12.63 | 66.72 | .7552 |
| Stddev | 7. | 1.0 | 7.800 | .59 | 1.46 | .5498 |
| %RSD | .4162 | .3565 | 223.6 | 4.668 | 2.191 | 72.80 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|-------|
| #1 | 1704. | 286.7 | 2.493 | 13.25 | 65.67 | .1289 |
| #2 | 1690. | 285.3 | -.6453 | 12.57 | 66.10 | 1.158 |
| #3 | 1700. | 284.7 | -12.31 | 12.08 | 68.39 | .9789 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.930 | -.7553 | 29.88 | 43.92 | -2.871 | -1.613 |
| Stddev | 2.788 | 2.376 | .32 | .28 | .246 | .129 |
| %RSD | 95.14 | 314.6 | 1.078 | .6473 | 8.569 | 8.001 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|--------|
| #1 | -5.296 | -2.978 | 29.79 | 43.65 | -3.142 | -1.703 |
| #2 | .1434 | 1.750 | 30.24 | 43.89 | -2.661 | -1.465 |
| #3 | -3.638 | -1.038 | 29.62 | 44.22 | -2.812 | -1.672 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111850-A-1-A@2 Acquired: 4/10/2016 18:01:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2.463 | 10.09 | 349.1 | 185.5 |
| Stddev | .189 | .19 | 1.4 | 11.5 |
| %RSD | 7.663 | 1.863 | .3874 | 6.205 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.628 | 9.969 | 350.0 | 172.3 |
| #2 | 2.257 | 10.31 | 349.7 | 193.6 |
| #3 | 2.503 | 9.993 | 347.5 | 190.6 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9760.2 | 66294. | 10076. |
| Stddev | 32.6 | 149. | 45. |
| %RSD | .33374 | .22543 | .44551 |

| | | | |
|----|--------|--------|--------|
| #1 | 9793.0 | 66397. | 10084. |
| #2 | 9727.8 | 66363. | 10116. |
| #3 | 9759.8 | 66123. | 10027. |

Sample Name: MB 460-361679/1-A@2 Acquired: 4/10/2016 18:05:39 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.946 | -2.603 | .1950 | -.2921 | .1043 | 1.413 |
| Stddev | 18.98 | 1.393 | .3186 | .1244 | .1549 | 2.901 |
| %RSD | 273.3 | 53.54 | 163.4 | 42.58 | 148.6 | 205.3 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | 2.881 | -1.185 | .3802 | -.4136 | .2307 | 2.620 |
| #2 | -9.673 | -3.970 | -.1729 | -.1650 | -.0685 | 3.517 |
| #3 | 27.63 | -2.653 | .3776 | -.2976 | .1506 | -1.897 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2311 | -.2024 | -.1773 | -1.311 | 2.005 | -48.63 |
| Stddev | .0890 | .2277 | .2350 | .236 | 12.96 | 22.36 |
| %RSD | 38.53 | 112.5 | 132.6 | 18.00 | 646.3 | 45.99 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -.2492 | -.3264 | -.0298 | -1.346 | 16.92 | -24.69 |
| #2 | -.3097 | .0604 | -.0537 | -1.527 | -4.500 | -68.98 |
| #3 | -.1344 | -.3413 | -.4482 | -1.059 | -6.411 | -52.22 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361679/1-A@2 Acquired: 4/10/2016 18:05:39 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -12.50 | -5.208 | -38.39 | .0147 | -.8737 | -.1727 |
| Stddev | .98 | .0856 | 8.23 | .0990 | 1.988 | 2.730 |
| %RSD | 7.878 | 16.43 | 21.45 | 671.3 | 227.5 | 1581. |
| #1 | -13.55 | -.4255 | -35.28 | -.0987 | -1.928 | -2.786 |
| #2 | -12.35 | -.5459 | -47.72 | .0839 | 1.419 | 2.661 |
| #3 | -11.60 | -.5911 | -32.15 | .0589 | -2.112 | -.3931 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.197 | -3.322 | -.1033 | .3316 | -1.971 | -2.152 |
| Stddev | 3.407 | 3.822 | .4215 | .0140 | .380 | .103 |
| %RSD | 284.7 | 115.1 | 408.2 | 4.214 | 19.30 | 4.810 |
| #1 | -2.591 | -7.064 | -.5898 | .3456 | -2.207 | -2.077 |
| #2 | 2.686 | -3.475 | .1278 | .3176 | -1.532 | -2.270 |
| #3 | -3.685 | .5747 | .1522 | .3314 | -2.174 | -2.109 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361679/1-A@2 Acquired: 4/10/2016 18:05:39 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 16.29 | -.1557 | -2.122 | -.3312 |
| Stddev | .68 | .0537 | .233 | 2.567 |
| %RSD | 4.155 | 34.49 | 11.00 | 774.9 |

| | | | | |
|----|-------|--------|--------|--------|
| #1 | 16.87 | -.1339 | -2.083 | -2.630 |
| #2 | 16.44 | -.1163 | -2.372 | 2.438 |
| #3 | 15.55 | -.2168 | -1.910 | -.8010 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9663.7 | 66545. | 9952.9 |
| Stddev | 47.6 | 441. | 109.0 |
| %RSD | .49255 | .66215 | 1.0951 |

| | | | |
|----|--------|--------|--------|
| #1 | 9647.8 | 66248. | 10002. |
| #2 | 9626.1 | 66336. | 9828.0 |
| #3 | 9717.2 | 67051. | 10029. |

Sample Name: LCSSRM 460-361679/2- Acquired: 4/10/2016 18:09:32 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 35200. | 688.7 | 143.8 | 1020. | 476.1 | 27140. |
| Stddev | 305. | 3.1 | 1.0 | 3. | 4.1 | 202. |
| %RSD | .8673 | .4487 | .6942 | .2603 | .8620 | .7452 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 34900. | 691.8 | 143.8 | 1020. | 472.3 | 27050. |
| #2 | 35190. | 688.7 | 142.7 | 1022. | 475.5 | 27010. |
| #3 | 35510. | 685.6 | 144.7 | 1017. | 480.5 | 27380. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 434.8 | 776.4 | 718.7 | 835.9 | 70050. | 10620. |
| Stddev | .1 | 2.0 | 4.3 | 1.4 | 320. | 98. |
| %RSD | .0292 | .2552 | .5990 | .1653 | .4567 | .9212 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 434.7 | 776.7 | 719.5 | 835.3 | 70070. | 10540. |
| #2 | 434.8 | 778.1 | 714.1 | 837.4 | 69730. | 10610. |
| #3 | 435.0 | 774.2 | 722.6 | 834.9 | 70360. | 10730. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: LCSSRM 460-361679/2- Acquired: 4/10/2016 18:09:32 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12260. | 1524. | 4008. | 672.3 | 732.1 | 308.7 |
| Stddev | 61. | 6. | 32. | 1.3 | .9 | 1.2 |
| %RSD | .4962 | .4107 | .8013 | .1983 | .1207 | .3732 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 12260. | 1522. | 3983. | 671.6 | 731.1 | 309.0 |
| #2 | 12210. | 1518. | 3998. | 673.8 | 732.9 | 309.7 |
| #3 | 12330. | 1530. | 4044. | 671.5 | 732.4 | 307.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 838.0 | 729.5 | 546.7 | 962.3 | 627.2 | 551.7 |
| Stddev | 8.5 | 5.8 | .6 | 3.5 | 6.9 | 3.7 |
| %RSD | 1.014 | .8011 | .1039 | .3601 | 1.097 | .6691 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 832.4 | 725.1 | 546.7 | 962.7 | 621.7 | 549.4 |
| #2 | 847.7 | 736.1 | 546.2 | 958.7 | 635.0 | 556.0 |
| #3 | 833.7 | 727.4 | 547.3 | 965.6 | 625.0 | 549.7 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: LCSSRM 460-361679/2- Acquired: 4/10/2016 18:09:32 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 703.9 | 497.8 | 1492. | 1144. |
| Stddev | 3.2 | 1.0 | 1. | 13. |
| %RSD | .4550 | .1931 | .0596 | 1.161 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 701.7 | 497.0 | 1492. | 1153. |
| #2 | 707.5 | 497.5 | 1493. | 1151. |
| #3 | 702.4 | 498.8 | 1491. | 1129. |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9681.8 | 65935. | 9926.7 |
| Stddev | 60.3 | 834. | 245.7 |
| %RSD | .62293 | 1.2653 | 2.4751 |

| | | | |
|----|--------|--------|--------|
| #1 | 9675.0 | 65977. | 10098. |
| #2 | 9745.2 | 66748. | 10037. |
| #3 | 9625.2 | 65081. | 9645.2 |

Sample Name: 460-111661-A-3-A@4 Acquired: 4/10/2016 18:13:07 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 79310. | 377.8 | -3.283 | 418.1 | 9.341 | 41700. |
| Stddev | 251. | 3.0 | .580 | 1.2 | .152 | 159. |
| %RSD | .3168 | .8034 | 17.66 | .2818 | 1.624 | .3811 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 79020. | 375.3 | -3.845 | 417.3 | 9.290 | 41530. |
| #2 | 79430. | 381.2 | -2.687 | 419.5 | 9.222 | 41720. |
| #3 | 79480. | 377.0 | -3.317 | 417.6 | 9.512 | 41850. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.409 | 116.2 | 515.6 | 14.42 | F 736900. | 33520. |
| Stddev | .742 | .6 | 3.4 | .44 | 3059. | 146. |
| %RSD | 52.68 | .5002 | .6605 | 3.058 | .4151 | .4352 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.7148 | 115.7 | 511.9 | 13.95 | 733700. | 33360. |
| #2 | -1.320 | 116.8 | 516.4 | 14.50 | 737300. | 33540. |
| #3 | -2.191 | 115.9 | 518.5 | 14.82 | 739800. | 33650. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | 200000. | |
| Low Limit | | | | | -150.0 | |

Sample Name: 460-111661-A-3-A@4 Acquired: 4/10/2016 18:13:07 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 40870. | 2385. | 245.4 | 178.2 | 169.1 | 30.30 |
| Stddev | 210. | 11. | 9.1 | 1.3 | 2.5 | 1.24 |
| %RSD | .5140 | .4615 | 3.689 | .7297 | 1.487 | 4.086 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 40640. | 2373. | 243.4 | 176.9 | 166.3 | 29.08 |
| #2 | 40930. | 2385. | 255.3 | 178.1 | 169.9 | 31.56 |
| #3 | 41050. | 2395. | 237.5 | 179.5 | 171.2 | 30.25 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F -23.16 | 28.22 | 1946. | 568.1 | 106.5 | 3.445 |
| Stddev | 3.40 | 3.48 | 6. | 3.8 | .9 | .181 |
| %RSD | 14.68 | 12.34 | .2981 | .6772 | .8754 | 5.269 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | -19.97 | 29.00 | 1939. | 564.1 | 106.0 | 3.311 |
| #2 | -26.74 | 24.41 | 1949. | 568.3 | 107.6 | 3.373 |
| #3 | -22.78 | 31.25 | 1950. | 571.8 | 105.9 | 3.652 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | 5000. | | | | | |
| Low Limit | -10.00 | | | | | |

Sample Name: 460-111661-A-3-A@4 Acquired: 4/10/2016 18:13:07 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 11.62 | 113.8 | 2222. | 1588. |
| Stddev | .18 | .4 | 9. | 19. |
| %RSD | 1.590 | .3317 | .4021 | 1.223 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 11.82 | 113.4 | 2213. | 1568. |
| #2 | 11.46 | 114.1 | 2222. | 1590. |
| #3 | 11.58 | 113.9 | 2231. | 1607. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9570.6 | 66048. | 10278. |
| Stddev | 17.1 | 131. | 127. |
| %RSD | .17864 | .19853 | 1.2323 |

| | | | |
|----|--------|--------|--------|
| #1 | 9575.3 | 65900. | 10134. |
| #2 | 9584.8 | 66097. | 10328. |
| #3 | 9551.6 | 66148. | 10372. |

Sample Name: 460-111661-A-4-A@4 Acquired: 4/10/2016 18:16:46 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 69660. | 294.1 | -2.492 | 392.8 | 9.149 | 48670. |
| Stddev | 19. | 1.0 | .108 | 1.4 | .293 | 121. |
| %RSD | .0274 | .3476 | 4.315 | .3604 | 3.206 | .2479 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 69680. | 292.9 | -2.571 | 394.2 | 8.919 | 48700. |
| #2 | 69660. | 294.7 | -2.534 | 392.6 | 9.048 | 48540. |
| #3 | 69640. | 294.7 | -2.369 | 391.4 | 9.479 | 48780. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.990 | 101.9 | 442.5 | 9.145 | F 776800. | 27680. |
| Stddev | .291 | .2 | 1.2 | .201 | 832. | 37. |
| %RSD | 14.65 | .2319 | .2624 | 2.198 | .1070 | .1343 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -2.266 | 102.1 | 443.3 | 9.020 | 777400. | 27640. |
| #2 | -1.685 | 102.0 | 441.2 | 9.377 | 775900. | 27680. |
| #3 | -2.019 | 101.7 | 443.1 | 9.037 | 777200. | 27720. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | 200000. | |
| Low Limit | | | | | -150.0 | |

Sample Name: 460-111661-A-4-A@4 Acquired: 4/10/2016 18:16:46 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 38750. | 2775. | 170.7 | 159.0 | 117.1 | 33.23 |
| Stddev | 83. | 1. | 11.3 | .2 | 1.3 | .70 |
| %RSD | .2148 | .0463 | 6.625 | .1108 | 1.111 | 2.117 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 38780. | 2776. | 166.2 | 159.1 | 117.7 | 33.94 |
| #2 | 38650. | 2774. | 183.5 | 158.9 | 117.9 | 33.21 |
| #3 | 38810. | 2774. | 162.3 | 159.2 | 115.6 | 32.53 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|-----------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F -24.09 | 31.74 | 1647. | 519.3 | 76.30 | 3.133 |
| Stddev | 3.72 | 2.89 | 1. | 3.3 | 1.42 | .163 |
| %RSD | 15.43 | 9.096 | .0673 | .6391 | 1.863 | 5.193 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | -21.05 | 28.89 | 1648. | 519.9 | 75.77 | 3.155 |
| #2 | -22.98 | 34.66 | 1647. | 522.3 | 75.21 | 3.283 |
| #3 | -28.23 | 31.68 | 1646. | 515.8 | 77.91 | 2.960 |

| | | | | | | |
|------------|---------------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | 5000. | | | | | |
| Low Limit | -10.00 | | | | | |

Sample Name: 460-111661-A-4-A@4 Acquired: 4/10/2016 18:16:46 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.548 | 111.5 | 1965. | 1631. |
| Stddev | 1.101 | .1 | 4. | 13. |
| %RSD | 11.53 | .0839 | .2137 | .7993 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 8.863 | 111.4 | 1968. | 1624. |
| #2 | 8.964 | 111.6 | 1966. | 1646. |
| #3 | 10.82 | 111.5 | 1960. | 1622. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9549.9 | 65212. | 10147. |
| Stddev | 47.9 | 443. | 146. |
| %RSD | .50119 | .67952 | 1.4434 |

| | | | |
|----|--------|--------|--------|
| #1 | 9513.7 | 64930. | 9994.5 |
| #2 | 9531.8 | 65723. | 10286. |
| #3 | 9604.2 | 64983. | 10161. |

Sample Name: 460-111850-A-2-A@4 Acquired: 4/10/2016 18:20:26 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 65040. | 35.98 | .3136 | 2109. | 2.536 | 9798. |
| Stddev | 453. | 2.00 | .4971 | 7. | .204 | 96. |
| %RSD | .6961 | 5.551 | 158.5 | .3347 | 8.029 | .9775 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 64550. | 38.20 | -.1289 | 2102. | 2.699 | 9714. |
| #2 | 65130. | 34.34 | .2182 | 2112. | 2.602 | 9779. |
| #3 | 65450. | 35.38 | .8516 | 2115. | 2.308 | 9902. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .5522 | 26.52 | 104.7 | 996.1 | 83420. | 1989. |
| Stddev | .0687 | .28 | 1.1 | 2.8 | 482. | 12. |
| %RSD | 12.44 | 1.074 | 1.035 | .2782 | .5778 | .6227 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | .6282 | 26.33 | 104.4 | 993.0 | 83020. | 1978. |
| #2 | .4945 | 26.38 | 103.8 | 997.2 | 83270. | 2003. |
| #3 | .5340 | 26.85 | 105.9 | 998.2 | 83950. | 1986. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-2-A@4 Acquired: 4/10/2016 18:20:26 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9050. | 1184. | 100.5 | 67.69 | 11970. | 4.298 |
| Stddev | 72. | 9. | 3.1 | .30 | 45. | .464 |
| %RSD | .7967 | .7277 | 3.107 | .4386 | .3769 | 10.80 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 8975. | 1177. | 104.0 | 67.52 | 11920. | 3.871 |
| #2 | 9057. | 1180. | 99.24 | 68.03 | 11990. | 4.792 |
| #3 | 9119. | 1193. | 98.14 | 67.52 | 12010. | 4.232 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0427 | 1.294 | 121.9 | 755.8 | 1.035 | .8572 |
| Stddev | 3.077 | .964 | 1.4 | 5.4 | .390 | .2256 |
| %RSD | 7208. | 74.51 | 1.122 | .7158 | 37.71 | 26.32 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | .7800 | 1.643 | 120.3 | 751.6 | .8062 | 1.057 |
| #2 | -3.336 | .2041 | 122.7 | 754.0 | 1.486 | .9022 |
| #3 | 2.684 | 2.036 | 122.7 | 761.9 | .8135 | .6125 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-2-A@4 Acquired: 4/10/2016 18:20:26 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 21.37 | 89.80 | 1616. | 969.9 |
| Stddev | .32 | .96 | 6. | 27.1 |
| %RSD | 1.519 | 1.064 | .3916 | 2.792 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 21.65 | 88.70 | 1610. | 968.8 |
| #2 | 21.01 | 90.34 | 1615. | 943.4 |
| #3 | 21.46 | 90.37 | 1623. | 997.6 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9760.0 | 66491. | 10216. |
| Stddev | 36.7 | 479. | 11. |
| %RSD | .37569 | .72013 | .10850 |

| | | | |
|----|--------|--------|--------|
| #1 | 9768.8 | 66284. | 10204. |
| #2 | 9791.4 | 67038. | 10227. |
| #3 | 9719.7 | 66150. | 10217. |

Sample Name: 460-111663-D-8-A@4 Acquired: 4/10/2016 18:24:08 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21170. | 36.11 | .2047 | 432.7 | 2.857 | 21460. |
| Stddev | 506. | .44 | .9485 | 6.0 | .093 | 357. |
| %RSD | 2.390 | 1.223 | 463.4 | 1.376 | 3.251 | 1.665 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 20600. | 36.11 | 1.273 | 426.3 | 2.772 | 21080. |
| #2 | 21350. | 35.67 | -.5383 | 433.8 | 2.841 | 21500. |
| #3 | 21560. | 36.55 | -.1206 | 438.1 | 2.956 | 21790. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .3679 | 18.29 | 51.02 | 114.3 | 35790. | 1579. |
| Stddev | .0785 | .36 | .87 | 1.4 | 628. | 61. |
| %RSD | 21.33 | 1.984 | 1.698 | 1.222 | 1.755 | 3.873 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | .4529 | 17.91 | 50.36 | 112.8 | 35140. | 1525. |
| #2 | .3526 | 18.64 | 50.70 | 114.4 | 35850. | 1645. |
| #3 | .2982 | 18.33 | 52.00 | 115.6 | 36390. | 1566. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-8-A@4 Acquired: 4/10/2016 18:24:08 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2424. | 331.0 | 424.1 | 37.00 | 478.9 | 4.528 |
| Stddev | 52. | 5.2 | 8.6 | .28 | 8.1 | 1.223 |
| %RSD | 2.161 | 1.585 | 2.035 | .7521 | 1.700 | 27.01 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2375. | 325.7 | 415.8 | 37.05 | 469.6 | 4.595 |
| #2 | 2419. | 331.2 | 423.5 | 36.70 | 482.4 | 3.273 |
| #3 | 2480. | 336.1 | 433.0 | 37.25 | 484.7 | 5.716 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.447 | -4.758 | 66.43 | 1180. | 9.952 | 5.735 |
| Stddev | 1.652 | 2.727 | 1.05 | 13. | .286 | .236 |
| %RSD | 114.2 | 57.31 | 1.585 | 1.078 | 2.875 | 4.110 |

| | | | | | | |
|----|---------|--------|-------|-------|-------|-------|
| #1 | 3.133 | -6.989 | 65.39 | 1167. | 10.17 | 5.767 |
| #2 | -1.1692 | -5.566 | 66.40 | 1182. | 10.05 | 5.485 |
| #3 | 1.376 | -1.718 | 67.49 | 1192. | 9.629 | 5.953 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-8-A@4 Acquired: 4/10/2016 18:24:08 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 13.29 | 235.1 | 782.9 | 860.9 |
| Stddev | .18 | 3.7 | 11.4 | 14.4 |
| %RSD | 1.326 | 1.564 | 1.454 | 1.677 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 13.49 | 231.3 | 771.3 | 864.0 |
| #2 | 13.21 | 235.5 | 783.3 | 845.1 |
| #3 | 13.16 | 238.6 | 794.1 | 873.5 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9582.9 | 64537. | 9677.6 |
| Stddev | 47.9 | 172. | 337.9 |
| %RSD | .50017 | .26632 | 3.4915 |

| | | | |
|----|--------|--------|--------|
| #1 | 9534.3 | 64339. | 10067. |
| #2 | 9584.2 | 64640. | 9462.1 |
| #3 | 9630.2 | 64633. | 9503.7 |

Sample Name: CCV Acquired: 4/10/2016 18:27:53 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121200. | 2483. | 1236. | 9988. | 987.1 | 125200. |
| Stddev | 120. | 4. | 3. | 8. | 1.9 | 396. |
| %RSD | .0988 | .1754 | .2120 | .0838 | .1964 | .3165 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 121200. | 2478. | 1236. | 9994. | 985.2 | 125200. |
| #2 | 121100. | 2485. | 1239. | 9991. | 986.9 | 125700. |
| #3 | 121300. | 2486. | 1233. | 9978. | 989.1 | 124900. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1238. | 2478. | 5093. | 12460. | 100600. | 48230. |
| Stddev | 2. | 2. | 15. | 30. | 240. | 76. |
| %RSD | .1230 | .0942 | .2871 | .2382 | .2389 | .1576 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1240. | 2477. | 5082. | 12430. | 100600. | 48160. |
| #2 | 1239. | 2481. | 5109. | 12490. | 100900. | 48310. |
| #3 | 1237. | 2477. | 5086. | 12460. | 100400. | 48230. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 18:27:53 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 126000. | 5124. | 124200. | 2505. | 7457. | 986.5 |
| Stddev | 348. | 12. | 154. | 2. | 8. | 1.9 |
| %RSD | .2760 | .2338 | .1243 | .0895 | .1015 | .1876 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 125900. | 5117. | 124300. | 2503. | 7463. | 985.0 |
| #2 | 126400. | 5138. | 124100. | 2506. | 7459. | 988.6 |
| #3 | 125700. | 5117. | 124000. | 2507. | 7449. | 985.9 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2441. | 2476. | 2506. | 2504. | 984.3 | 2425. |
| Stddev | 9. | 3. | 2. | 8. | 5.7 | 4. |
| %RSD | .3612 | .1033 | .0869 | .3195 | .5796 | .1602 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2433. | 2478. | 2503. | 2510. | 977.7 | 2423. |
| #2 | 2439. | 2477. | 2507. | 2506. | 987.4 | 2430. |
| #3 | 2450. | 2473. | 2507. | 2495. | 987.8 | 2424. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 18:27:53 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 986.6 | 4870. | 10140. | 9776. |
| Stddev | .5 | 10. | 27. | 112. |
| %RSD | .0552 | .1968 | .2663 | 1.144 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 986.2 | 4864. | 10110. | 9710. |
| #2 | 987.2 | 4866. | 10170. | 9713. |
| #3 | 986.4 | 4881. | 10130. | 9905. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9063.6 | 61980. | 9660.1 |
| Stddev | 2.8 | 122. | 74.7 |
| %RSD | .03132 | .19738 | .77376 |

| | | | |
|----|--------|--------|--------|
| #1 | 9060.3 | 62025. | 9608.1 |
| #2 | 9065.0 | 61841. | 9626.4 |
| #3 | 9065.4 | 62072. | 9745.8 |

Sample Name: CCB Acquired: 4/10/2016 18:31:23 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2834 | -.1479 | .2020 | -.1320 | .0726 | -19.44 |
| Stddev | 1.610 | 2.970 | .3202 | .2630 | .1007 | 1.15 |
| %RSD | 568.0 | 2008. | 158.5 | 199.3 | 138.7 | 5.894 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|---------------|---------------|
| #1 | -.9409 | 1.776 | -.0609 | .1554 | .1608 | -20.56 |
| #2 | -.3161 | -3.568 | .5586 | -.1907 | -.0371 | -19.50 |
| #3 | 2.107 | 1.348 | .1083 | -.3607 | .0940 | -18.27 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0919 | -.0308 | -.3544 | -1.057 | -9.843 | -35.22 |
| Stddev | .0643 | .0994 | .3828 | .631 | 5.155 | 36.15 |
| %RSD | 70.02 | 322.4 | 108.0 | 59.74 | 52.37 | 102.6 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|---------------|---------------|
| #1 | -.1105 | .0214 | -.2883 | -1.339 | -6.988 | 4.867 |
| #2 | -.1448 | .0315 | -.0089 | -.3334 | -15.79 | -65.34 |
| #3 | -.0203 | -.1454 | -.7659 | -1.497 | -6.747 | -45.18 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 18:31:23 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.711 | -.4432 | -29.69 | .0116 | .3953 | .8205 |
| Stddev | 1.249 | .1723 | 19.65 | .4033 | .6191 | 1.228 |
| %RSD | 12.86 | 38.86 | 66.18 | 3470. | 156.6 | 149.6 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|---------------|---------------|
| #1 | -8.278 | -.2688 | -8.014 | -.4100 | -.3021 | 2.127 |
| #2 | -10.56 | -.4476 | -34.73 | .0511 | .6078 | .6441 |
| #3 | -10.29 | -.6133 | -46.33 | .3938 | .8802 | -.3094 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.940 | -.4999 | .1145 | -.2038 | -1.695 | -.6159 |
| Stddev | 1.808 | 4.279 | .4757 | .0383 | .433 | .0939 |
| %RSD | 93.18 | 856.0 | 415.4 | 18.80 | 25.56 | 15.25 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|---------------|---------------|
| #1 | -1.766 | -3.039 | .6601 | -.1597 | -1.349 | -.7241 |
| #2 | -.2258 | 4.441 | -.1034 | -.2282 | -1.555 | -.5696 |
| #3 | -3.829 | -2.902 | -.2132 | -.2236 | -2.181 | -.5542 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 18:31:23 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.7530 | -.1149 | -.7784 | 5.906 |
| Stddev | 1.497 | .1188 | .1226 | 17.68 |
| %RSD | 198.9 | 103.4 | 15.75 | 299.3 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | -1.049 | .0215 | -.7845 | 15.48 |
| #2 | .8704 | -.1704 | -.8978 | -14.50 |
| #3 | -2.080 | -.1957 | -.6528 | 16.73 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9605.0 | 64682. | 9807.8 |
| Stddev | 80.6 | 1049. | 179.8 |
| %RSD | .83966 | 1.6219 | 1.8334 |

| | | | |
|----|--------|--------|--------|
| #1 | 9512.6 | 63533. | 9600.5 |
| #2 | 9640.9 | 64925. | 9901.5 |
| #3 | 9661.5 | 65588. | 9921.4 |

Sample Name: CCVL Acquired: 4/10/2016 18:35:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 197.3 | 14.01 | 10.03 | 206.3 | 2.006 | 5098. |
| Stddev | 16.3 | .99 | .41 | .4 | .139 | 20. |
| %RSD | 8.259 | 7.096 | 4.080 | .1830 | 6.933 | .3901 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 215.8 | 14.88 | 9.721 | 206.5 | 1.856 | 5119. |
| #2 | 191.0 | 12.93 | 9.884 | 206.5 | 2.032 | 5096. |
| #3 | 185.1 | 14.23 | 10.50 | 205.8 | 2.131 | 5080. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.004 | 52.16 | 9.859 | 24.18 | 159.4 | 4795. |
| Stddev | .049 | .19 | .272 | .11 | 11.2 | 81. |
| %RSD | 1.214 | .3646 | 2.763 | .4476 | 6.998 | 1.697 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.048 | 51.94 | 9.573 | 24.06 | 146.7 | 4703. |
| #2 | 3.952 | 52.23 | 10.12 | 24.25 | 167.7 | 4824. |
| #3 | 4.011 | 52.30 | 9.888 | 24.24 | 163.8 | 4858. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 18:35:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5025. | 15.89 | 4911. | 42.53 | 11.42 | 17.64 |
| Stddev | 36. | .21 | 9. | .68 | 1.90 | .99 |
| %RSD | .7204 | 1.333 | .1779 | 1.595 | 16.60 | 5.631 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4986. | 15.65 | 4920. | 43.17 | 12.91 | 18.65 |
| #2 | 5057. | 16.07 | 4910. | 41.82 | 12.07 | 17.61 |
| #3 | 5032. | 15.94 | 4902. | 42.61 | 9.286 | 16.66 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.58 | 20.47 | 51.18 | 31.20 | 46.40 | 17.64 |
| Stddev | 1.93 | 1.30 | .45 | .19 | .26 | .20 |
| %RSD | 10.97 | 6.355 | .8816 | .6038 | .5679 | 1.116 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 15.43 | 19.20 | 50.68 | 30.99 | 46.16 | 17.47 |
| #2 | 19.16 | 21.80 | 51.32 | 31.35 | 46.35 | 17.85 |
| #3 | 18.16 | 20.40 | 51.55 | 31.27 | 46.68 | 17.60 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 18:35:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 47.63 | 20.20 | 19.13 | F 3.722 |
| Stddev | .60 | .35 | .13 | 3.231 |
| %RSD | 1.270 | 1.714 | .6591 | 86.81 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 47.44 | 19.86 | 18.99 | .5880 |
| #2 | 47.14 | 20.18 | 19.18 | 7.043 |
| #3 | 48.30 | 20.55 | 19.23 | 3.536 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9629.2 | 65329. | 9890.0 |
| Stddev | 46.7 | 453. | 104.7 |
| %RSD | .48536 | .69354 | 1.0586 |

| | | | |
|----|--------|--------|--------|
| #1 | 9627.9 | 64820. | 9770.0 |
| #2 | 9676.5 | 65687. | 9937.4 |
| #3 | 9583.1 | 65482. | 9962.5 |

Sample Name: 460-111663-D-9-A@4 Acquired: 4/10/2016 18:39:08 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 83610. | 218.5 | -.1945 | 188.5 | .8300 | 4480. |
| Stddev | 1140. | 2.7 | .3332 | .9 | .1269 | 62. |
| %RSD | 1.363 | 1.256 | 171.3 | .4684 | 15.29 | 1.374 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 82360. | 217.2 | -.5089 | 188.1 | .8179 | 4412. |
| #2 | 83900. | 216.6 | -.2295 | 187.8 | .7096 | 4497. |
| #3 | 84580. | 221.6 | .1548 | 189.5 | .9626 | 4531. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8672 | 7.309 | 79.03 | 13.84 | 79560. | 2841. |
| Stddev | .1471 | .307 | 1.33 | .67 | 745. | 29. |
| %RSD | 16.97 | 4.194 | 1.684 | 4.808 | .9367 | 1.026 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.7037 | 6.970 | 77.72 | 14.49 | 78700. | 2812. |
| #2 | -.9889 | 7.391 | 79.00 | 13.87 | 79880. | 2870. |
| #3 | -.9090 | 7.566 | 80.38 | 13.16 | 80080. | 2840. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-9-A@4 Acquired: 4/10/2016 18:39:08 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3265. | 89.42 | 89.16 | 16.23 | 55.57 | 1.015 |
| Stddev | 78. | 1.91 | 2.99 | .12 | 1.46 | 1.152 |
| %RSD | 2.380 | 2.140 | 3.352 | .7655 | 2.635 | 113.5 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 3195. | 87.72 | 85.72 | 16.24 | 54.03 | 2.062 |
| #2 | 3253. | 89.03 | 90.60 | 16.35 | 56.94 | 1.202 |
| #3 | 3349. | 91.49 | 91.16 | 16.10 | 55.75 | -.2196 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6650 | .6643 | 156.8 | 67.67 | -3.899 | .6832 |
| Stddev | 5.507 | 2.614 | 3.6 | 1.48 | .211 | .2172 |
| %RSD | 828.2 | 393.6 | 2.265 | 2.181 | 5.419 | 31.79 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|-------|
| #1 | 5.694 | 3.504 | 154.3 | 65.99 | -3.934 | .4405 |
| #2 | -3.882 | .1310 | 155.2 | 68.28 | -3.672 | .7499 |
| #3 | -3.807 | -1.642 | 160.9 | 68.74 | -4.090 | .8592 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-9-A@4 Acquired: 4/10/2016 18:39:08 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.16 | 37.61 | 414.2 | 1372. |
| Stddev | .72 | .31 | 1.4 | 18. |
| %RSD | 7.113 | .8158 | .3407 | 1.311 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 10.08 | 37.34 | 412.7 | 1367. |
| #2 | 10.92 | 37.53 | 414.6 | 1392. |
| #3 | 9.483 | 37.94 | 415.4 | 1357. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9618.8 | 65024. | 9989.8 |
| Stddev | 39.9 | 614. | 346.4 |
| %RSD | .41471 | .94437 | 3.4678 |

| | | | |
|----|--------|--------|--------|
| #1 | 9646.2 | 65732. | 10388. |
| #2 | 9573.0 | 64647. | 9818.9 |
| #3 | 9637.1 | 64692. | 9762.0 |

Sample Name: 460-111663-D-10-A@4 Acquired: 4/10/2016 18:42:54 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 68600. | 64.66 | -.3553 | 132.8 | .7150 | 3749. |
| Stddev | 278. | 1.21 | .4963 | .6 | .1672 | 16. |
| %RSD | .4057 | 1.867 | 139.7 | .4638 | 23.38 | .4266 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 68280. | 66.03 | -.3403 | 132.1 | .6072 | 3763. |
| #2 | 68790. | 63.76 | -.8589 | 133.2 | .9076 | 3732. |
| #3 | 68740. | 64.18 | .1333 | 133.1 | .6302 | 3753. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7534 | 6.044 | 60.65 | 10.22 | 59300. | 2485. |
| Stddev | .1044 | .129 | .47 | .66 | 66. | 25. |
| %RSD | 13.85 | 2.138 | .7719 | 6.436 | .1109 | 1.016 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.8460 | 6.131 | 60.29 | 9.462 | 59360. | 2457. |
| #2 | -.7738 | 6.104 | 60.47 | 10.54 | 59230. | 2507. |
| #3 | -.6403 | 5.895 | 61.18 | 10.66 | 59310. | 2491. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-10-A@4 Acquired: 4/10/2016 18:42:54 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2752. | 61.35 | 63.92 | 13.56 | 53.62 | 1.070 |
| Stddev | 29. | 1.00 | 9.65 | .62 | .43 | 1.366 |
| %RSD | 1.059 | 1.631 | 15.10 | 4.583 | .7962 | 127.7 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2719. | 60.21 | 62.65 | 14.22 | 53.43 | .5927 |
| #2 | 2774. | 61.76 | 54.97 | 12.98 | 54.11 | 2.610 |
| #3 | 2763. | 62.09 | 74.14 | 13.47 | 53.33 | .0062 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9447 | .2163 | 102.7 | 50.30 | -2.525 | -.3895 |
| Stddev | 1.310 | .9951 | 2.5 | .13 | .357 | .1995 |
| %RSD | 138.7 | 460.1 | 2.440 | .2535 | 14.16 | 51.22 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|--------|
| #1 | .0742 | -.9325 | 100.1 | 50.43 | -2.250 | -.2758 |
| #2 | -.4859 | .7716 | 102.9 | 50.28 | -2.396 | -.6198 |
| #3 | -2.422 | .8098 | 105.1 | 50.18 | -2.929 | -.2728 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-10-A@4 Acquired: 4/10/2016 18:42:54 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.974 | 24.06 | 442.5 | 1369. |
| Stddev | .837 | .09 | 2.0 | 25. |
| %RSD | 8.395 | .3839 | .4588 | 1.849 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 10.93 | 23.99 | 440.4 | 1343. |
| #2 | 9.372 | 24.16 | 442.8 | 1371. |
| #3 | 9.621 | 24.02 | 444.4 | 1394. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9717.3 | 65673. | 10216. |
| Stddev | 84.5 | 1161. | 237. |
| %RSD | .86989 | 1.7681 | 2.3176 |

| | | | |
|----|--------|--------|--------|
| #1 | 9620.2 | 64332. | 9952.9 |
| #2 | 9757.8 | 66340. | 10283. |
| #3 | 9774.0 | 66348. | 10412. |

Sample Name: 460-111663-D-11-A@4 Acquired: 4/10/2016 18:46:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 22170. | 476.0 | -.0192 | 122.8 | .5788 | 1110. |
| Stddev | 380. | 6.7 | .2343 | 1.5 | .1280 | 22. |
| %RSD | 1.713 | 1.418 | 1223. | 1.221 | 22.11 | 1.942 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 21790. | 469.2 | -.2181 | 121.2 | .4542 | 1091. |
| #2 | 22160. | 476.1 | -.0784 | 122.9 | .7099 | 1104. |
| #3 | 22550. | 482.7 | .2391 | 124.2 | .5725 | 1133. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2654 | 5.005 | 21.00 | 8.703 | 12490. | 726.9 |
| Stddev | .0486 | .250 | .77 | .362 | 347. | 11.9 |
| %RSD | 18.30 | 5.000 | 3.672 | 4.165 | 2.777 | 1.629 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.3190 | 4.750 | 20.11 | 8.335 | 12170. | 717.7 |
| #2 | -.2243 | 5.014 | 21.42 | 8.715 | 12450. | 722.8 |
| #3 | -.2530 | 5.251 | 21.46 | 9.059 | 12860. | 740.3 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-11-A@4 Acquired: 4/10/2016 18:46:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 782.0 | 46.73 | -11.27 | 11.88 | 69.33 | 2.980 |
| Stddev | 23.4 | 1.56 | 1.68 | .64 | 1.75 | 1.418 |
| %RSD | 2.999 | 3.347 | 14.94 | 5.426 | 2.524 | 47.58 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|-------|
| #1 | 758.5 | 45.52 | -13.09 | 11.24 | 67.34 | 4.357 |
| #2 | 782.2 | 46.17 | -9.766 | 12.53 | 70.62 | 1.525 |
| #3 | 805.4 | 48.50 | -10.95 | 11.88 | 70.03 | 3.057 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.039 | -.9823 | 46.38 | 28.77 | 1.544 | .5014 |
| Stddev | 1.841 | 2.651 | 1.67 | .67 | .749 | .2563 |
| %RSD | 177.2 | 269.9 | 3.595 | 2.340 | 48.51 | 51.11 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -1.425 | 1.575 | 44.84 | 28.15 | 1.174 | .2320 |
| #2 | .9643 | -.8042 | 46.15 | 28.68 | 2.406 | .5301 |
| #3 | -2.656 | -3.718 | 48.15 | 29.49 | 1.052 | .7422 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-11-A@4 Acquired: 4/10/2016 18:46:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.479 | 16.18 | 207.0 | 1089. |
| Stddev | .889 | .28 | 6.0 | 28. |
| %RSD | 10.49 | 1.728 | 2.900 | 2.551 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 7.799 | 15.90 | 201.8 | 1073. |
| #2 | 9.485 | 16.18 | 205.7 | 1073. |
| #3 | 8.153 | 16.46 | 213.5 | 1121. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9693.1 | 65872. | 10183. |
| Stddev | 15.4 | 124. | 69. |
| %RSD | .15845 | .18862 | .67838 |

| | | | |
|----|--------|--------|--------|
| #1 | 9708.3 | 66014. | 10251. |
| #2 | 9693.3 | 65781. | 10113. |
| #3 | 9677.6 | 65821. | 10184. |

Sample Name: 460-111663-D-12-A@4 Acquired: 4/10/2016 18:50:29 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24550. | 5.874 | .1916 | 157.3 | .8696 | 3378. |
| Stddev | 338. | .727 | .1145 | 2.9 | .2379 | 69. |
| %RSD | 1.375 | 12.37 | 59.77 | 1.860 | 27.36 | 2.029 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 24230. | 6.647 | .0886 | 154.4 | .5984 | 3316. |
| #2 | 24530. | 5.206 | .1714 | 157.1 | 1.043 | 3366. |
| #3 | 24900. | 5.768 | .3150 | 160.3 | .9672 | 3452. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3002 | 4.429 | 25.14 | 18.03 | 16550. | 868.4 |
| Stddev | .0507 | .155 | .72 | .27 | 314. | 58.6 |
| %RSD | 16.90 | 3.490 | 2.874 | 1.486 | 1.898 | 6.745 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.3518 | 4.293 | 25.76 | 17.78 | 16250. | 801.3 |
| #2 | -.2504 | 4.397 | 24.35 | 18.01 | 16510. | 909.7 |
| #3 | -.2984 | 4.597 | 25.30 | 18.31 | 16880. | 894.0 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-12-A@4 Acquired: 4/10/2016 18:50:29 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1129. | 64.55 | 145.4 | 10.69 | 117.5 | 2.322 |
| Stddev | 24. | 1.27 | 10.8 | .53 | 3.6 | 3.690 |
| %RSD | 2.140 | 1.972 | 7.457 | 4.957 | 3.083 | 158.9 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 1108. | 63.26 | 133.2 | 10.13 | 113.5 | -1.933 |
| #2 | 1124. | 64.58 | 154.1 | 10.74 | 118.4 | 4.263 |
| #3 | 1155. | 65.80 | 148.7 | 11.19 | 120.6 | 4.638 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.476 | -2.890 | 54.10 | 47.32 | 6.974 | 1.405 |
| Stddev | 2.463 | 1.415 | .91 | 1.08 | .149 | .148 |
| %RSD | 708.7 | 48.96 | 1.675 | 2.280 | 2.138 | 10.51 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -3.072 | -2.091 | 53.61 | 46.23 | 6.972 | 1.391 |
| #2 | .3053 | -4.524 | 53.54 | 47.34 | 6.826 | 1.265 |
| #3 | 1.723 | -2.056 | 55.14 | 48.39 | 7.124 | 1.560 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-12-A@4 Acquired: 4/10/2016 18:50:29 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.73 | 32.72 | 334.3 | 1048. |
| Stddev | .44 | .69 | 5.6 | 30. |
| %RSD | 4.121 | 2.095 | 1.677 | 2.894 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 10.81 | 32.07 | 328.9 | 1017. |
| #2 | 11.13 | 32.65 | 333.9 | 1049. |
| #3 | 10.26 | 33.44 | 340.1 | 1078. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9728.3 | 66112. | 10128. |
| Stddev | 42.9 | 357. | 98. |
| %RSD | .44119 | .53965 | .96919 |

| | | | |
|----|--------|--------|--------|
| #1 | 9715.3 | 65801. | 10020. |
| #2 | 9776.3 | 66502. | 10212. |
| #3 | 9693.5 | 66032. | 10151. |

Sample Name: 460-111663-D-13-A@4 Acquired: 4/10/2016 18:54:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 22210. | 161.7 | .0080 | 306.6 | 1.788 | 13800. |
| Stddev | 56. | .5 | .1971 | .3 | .035 | 136. |
| %RSD | .2535 | .2806 | 2454. | .0954 | 1.951 | .9870 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 22150. | 162.2 | -.0515 | 306.5 | 1.749 | 13890. |
| #2 | 22250. | 161.3 | .2281 | 307.0 | 1.816 | 13860. |
| #3 | 22240. | 161.6 | -.1524 | 306.4 | 1.799 | 13640. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2331 | 8.385 | 27.18 | 43.29 | 76180. | 1105. |
| Stddev | .0135 | .180 | .32 | .83 | 631. | 11. |
| %RSD | 5.800 | 2.146 | 1.182 | 1.919 | .8282 | .9995 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.2277 | 8.324 | 27.42 | 42.35 | 76620. | 1115. |
| #2 | -.2485 | 8.588 | 26.82 | 43.93 | 76460. | 1107. |
| #3 | -.2231 | 8.244 | 27.30 | 43.57 | 75460. | 1094. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-13-A@4 Acquired: 4/10/2016 18:54:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1038. | 1147. | 177.1 | 17.51 | 319.6 | 1.435 |
| Stddev | 6. | 8. | 7.0 | .19 | 1.0 | .968 |
| %RSD | .5675 | .6576 | 3.951 | 1.113 | .3085 | 67.43 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1043. | 1152. | 169.2 | 17.53 | 319.8 | 2.552 |
| #2 | 1040. | 1151. | 179.4 | 17.31 | 320.5 | .8420 |
| #3 | 1032. | 1138. | 182.6 | 17.69 | 318.5 | .9114 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.032 | 2.417 | 53.42 | 198.9 | 3.595 | .6994 |
| Stddev | 2.036 | 1.972 | .49 | 1.3 | .558 | .3953 |
| %RSD | 197.3 | 81.59 | .9132 | .6739 | 15.52 | 56.52 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | -.7746 | 4.540 | 53.62 | 199.0 | 4.064 | .3198 |
| #2 | 3.239 | 2.068 | 53.78 | 200.1 | 2.978 | 1.109 |
| #3 | .6328 | .6426 | 52.87 | 197.5 | 3.742 | .6697 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-13-A@4 Acquired: 4/10/2016 18:54:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 16.51 | 111.8 | 375.0 | 1107. |
| Stddev | .09 | .7 | 1.7 | 14. |
| %RSD | .5205 | .5815 | .4490 | 1.230 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 16.56 | 111.0 | 376.4 | 1091. |
| #2 | 16.55 | 112.1 | 375.5 | 1114. |
| #3 | 16.41 | 112.2 | 373.1 | 1116. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9614.2 | 65505. | 9757.8 |
| Stddev | 107.8 | 1448. | 67.8 |
| %RSD | 1.1212 | 2.2108 | .69463 |

| | | | |
|----|--------|--------|--------|
| #1 | 9550.3 | 64293. | 9682.4 |
| #2 | 9553.6 | 65113. | 9777.2 |
| #3 | 9738.6 | 67109. | 9813.7 |

Sample Name: 460-111663-D-14-A@4 Acquired: 4/10/2016 18:58:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 35690. | 116.2 | -.2868 | 313.4 | 1.896 | 35740. |
| Stddev | 285. | 1.6 | .4386 | .6 | .086 | 255. |
| %RSD | .7984 | 1.419 | 152.9 | .1996 | 4.554 | .7135 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 35400. | 116.1 | -.2000 | 312.7 | 1.995 | 35550. |
| #2 | 35690. | 118.0 | -.7623 | 313.8 | 1.853 | 35650. |
| #3 | 35970. | 114.7 | .1019 | 313.7 | 1.839 | 36030. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.258 | 8.381 | 851.8 | 58.74 | 49000. | 2081. |
| Stddev | .030 | .090 | 6.2 | .17 | 307. | 15. |
| %RSD | 2.356 | 1.072 | .7228 | .2900 | .6257 | .7293 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 1.258 | 8.396 | 846.2 | 58.66 | 48730. | 2064. |
| #2 | 1.229 | 8.285 | 850.8 | 58.94 | 48950. | 2092. |
| #3 | 1.288 | 8.463 | 858.4 | 58.62 | 49330. | 2088. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-14-A@4 Acquired: 4/10/2016 18:58:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3986. | 256.1 | 528.2 | 22.78 | 3563. | 1.399 |
| Stddev | 30. | 1.6 | 7.0 | .30 | 31. | .666 |
| %RSD | .7504 | .6415 | 1.333 | 1.304 | .8731 | 47.59 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3960. | 254.5 | 520.7 | 22.48 | 3533. | 2.166 |
| #2 | 3979. | 256.1 | 534.6 | 23.07 | 3562. | .9665 |
| #3 | 4018. | 257.8 | 529.5 | 22.80 | 3595. | 1.065 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .3600 | -.7902 | 88.55 | 387.0 | 2.529 | -.5860 |
| Stddev | 1.252 | 2.952 | .61 | 5.2 | .543 | .2418 |
| %RSD | 347.6 | 373.6 | .6835 | 1.350 | 21.49 | 41.26 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | -.7738 | 1.899 | 87.85 | 381.9 | 2.187 | -.8545 |
| #2 | 1.703 | -3.949 | 88.84 | 386.7 | 3.156 | -.3854 |
| #3 | .1508 | -.3198 | 88.96 | 392.3 | 2.245 | -.5182 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-14-A@4 Acquired: 4/10/2016 18:58:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 129.5 | 189.5 | 558.1 | 1148. |
| Stddev | 1.7 | .7 | 3.7 | 32. |
| %RSD | 1.288 | .3870 | .6675 | 2.795 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 127.6 | 188.6 | 554.8 | 1116. |
| #2 | 130.0 | 189.9 | 557.5 | 1180. |
| #3 | 130.8 | 189.9 | 562.1 | 1149. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9617.1 | 65711. | 10174. |
| Stddev | 11.7 | 265. | 105. |
| %RSD | .12114 | .40396 | 1.0340 |

| | | | |
|----|--------|--------|--------|
| #1 | 9624.7 | 65585. | 10239. |
| #2 | 9622.8 | 66016. | 10231. |
| #3 | 9603.6 | 65532. | 10053. |

Sample Name: 460-111663-D-15-A@4 Acquired: 4/10/2016 19:01:46 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17690. | 2.775 | .0248 | 99.40 | .6295 | 4418. |
| Stddev | 131. | 1.379 | .5617 | .46 | .1801 | 59. |
| %RSD | .7385 | 49.71 | 2267. | .4669 | 28.61 | 1.341 |
| #1 | 17540. | 2.431 | -.6122 | 98.97 | .6882 | 4367. |
| #2 | 17720. | 4.294 | .2376 | 99.35 | .4274 | 4483. |
| #3 | 17800. | 1.600 | .4490 | 99.89 | .7728 | 4403. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1808 | .5954 | 15.84 | 1.610 | 6861. | 676.1 |
| Stddev | .0760 | .2321 | .11 | .325 | 70. | 32.4 |
| %RSD | 42.05 | 38.99 | .6669 | 20.18 | 1.020 | 4.788 |
| #1 | -.1145 | .5554 | 15.91 | 1.729 | 6797. | 661.8 |
| #2 | -.1640 | .8449 | 15.88 | 1.243 | 6936. | 653.4 |
| #3 | -.2638 | .3858 | 15.72 | 1.859 | 6850. | 713.2 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-15-A@4 Acquired: 4/10/2016 19:01:46 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 671.5 | 36.19 | -10.87 | 3.500 | 50.97 | -.3375 |
| Stddev | 5.1 | .24 | 7.71 | .546 | 1.15 | .9849 |
| %RSD | .7530 | .6632 | 70.99 | 15.61 | 2.253 | 291.8 |
| #1 | 665.8 | 35.98 | -9.805 | 3.114 | 50.73 | -1.472 |
| #2 | 673.2 | 36.46 | -19.05 | 3.261 | 52.22 | .1601 |
| #3 | 675.4 | 36.14 | -3.737 | 4.125 | 49.96 | .2993 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.390 | -2.999 | 28.48 | 11.02 | .2795 | -1.786 |
| Stddev | 1.114 | .431 | .27 | .21 | .1767 | .137 |
| %RSD | 32.86 | 14.37 | .9609 | 1.949 | 63.21 | 7.652 |
| #1 | -4.399 | -3.047 | 28.72 | 10.96 | .4543 | -1.822 |
| #2 | -3.576 | -3.404 | 28.54 | 11.26 | .1011 | -1.635 |
| #3 | -2.194 | -2.546 | 28.18 | 10.84 | .2830 | -1.901 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-15-A@4 Acquired: 4/10/2016 19:01:46 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.257 | 36.24 | 249.4 | 1136. |
| Stddev | .641 | .18 | 2.2 | 9. |
| %RSD | 7.758 | .4881 | .8641 | .7557 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 8.157 | 36.07 | 247.0 | 1129. |
| #2 | 7.673 | 36.24 | 250.5 | 1134. |
| #3 | 8.942 | 36.42 | 250.8 | 1146. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9661.6 | 65576. | 9969.3 |
| Stddev | 136.2 | 1494. | 125.8 |
| %RSD | 1.4101 | 2.2789 | 1.2616 |

| | | | |
|----|--------|--------|--------|
| #1 | 9682.5 | 65926. | 9975.4 |
| #2 | 9516.1 | 63938. | 9840.6 |
| #3 | 9786.2 | 66864. | 10092. |

Sample Name: 460-111663-D-16-A@4 Acquired: 4/10/2016 19:05:36 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 51440. | 13.84 | -.2246 | 112.9 | .5723 | 12290. |
| Stddev | 159. | 1.70 | .2501 | .7 | .0612 | 96. |
| %RSD | .3087 | 12.28 | 111.4 | .6333 | 10.69 | .7802 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 51250. | 12.17 | -.5126 | 113.7 | .5099 | 12180. |
| #2 | 51520. | 13.78 | -.0615 | 112.8 | .5751 | 12340. |
| #3 | 51530. | 15.57 | -.0997 | 112.2 | .6321 | 12350. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0792 | 3.022 | 46.17 | 9.531 | 33180. | 1366. |
| Stddev | .0308 | .164 | .39 | .237 | 140. | 10. |
| %RSD | 38.83 | 5.414 | .8423 | 2.488 | .4218 | .7231 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.0508 | 3.017 | 45.73 | 9.257 | 33030. | 1369. |
| #2 | -.0750 | 3.188 | 46.30 | 9.655 | 33230. | 1374. |
| #3 | -.1119 | 2.861 | 46.47 | 9.680 | 33290. | 1355. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-16-A@4 Acquired: 4/10/2016 19:05:36 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1826. | 59.62 | 131.3 | 8.288 | 49.62 | .2821 |
| Stddev | 34. | .91 | 5.2 | .523 | .23 | 1.316 |
| %RSD | 1.888 | 1.529 | 3.946 | 6.309 | .4699 | 466.3 |
| #1 | 1787. | 58.58 | 127.0 | 8.316 | 49.38 | -1.117 |
| #2 | 1839. | 60.03 | 129.8 | 8.796 | 49.84 | .4691 |
| #3 | 1852. | 60.26 | 137.0 | 7.751 | 49.64 | 1.494 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.494 | -.7055 | 68.88 | 35.38 | -3.015 | -1.279 |
| Stddev | 2.384 | 1.696 | 1.03 | .28 | .270 | .473 |
| %RSD | 159.5 | 240.4 | 1.496 | .8007 | 8.944 | 36.96 |
| #1 | -4.037 | -1.413 | 67.69 | 35.05 | -3.307 | -1.409 |
| #2 | .6896 | -1.933 | 69.35 | 35.57 | -2.776 | -1.673 |
| #3 | -1.135 | 1.230 | 69.58 | 35.51 | -2.960 | -.7549 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111663-D-16-A@4 Acquired: 4/10/2016 19:05:36 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.988 | 55.11 | 407.0 | 1259. |
| Stddev | .232 | .07 | .2 | 22. |
| %RSD | 2.326 | .1275 | .0523 | 1.720 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 9.977 | 55.03 | 406.8 | 1245. |
| #2 | 9.761 | 55.16 | 407.2 | 1247. |
| #3 | 10.23 | 55.14 | 407.0 | 1284. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9616.8 | 65237. | 10078. |
| Stddev | 35.3 | 303. | 80. |
| %RSD | .36745 | .46413 | .79761 |

| | | | |
|----|--------|--------|--------|
| #1 | 9656.5 | 65521. | 10152. |
| #2 | 9605.0 | 65273. | 10089. |
| #3 | 9588.8 | 64919. | 9992.2 |

Sample Name: 460-111680-A-1-E@4 Acquired: 4/10/2016 19:09:24 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 97320. | 61.60 | .4796 | 399.7 | 13.52 | 2740. |
| Stddev | 1197. | 1.31 | .1855 | 3.9 | .10 | 19. |
| %RSD | 1.230 | 2.125 | 38.67 | .9649 | .7410 | .7023 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 96110. | 63.09 | .6848 | 396.0 | 13.41 | 2721. |
| #2 | 97340. | 60.63 | .4301 | 399.2 | 13.56 | 2739. |
| #3 | 98500. | 61.08 | .3239 | 403.7 | 13.60 | 2759. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4673 | 148.3 | 107.0 | 129.5 | F 214500. | 9209. |
| Stddev | .2868 | 1.3 | 1.5 | 1.3 | 1408. | 160. |
| %RSD | 61.37 | .9070 | 1.406 | .9853 | .6563 | 1.732 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | -.6460 | 147.1 | 105.6 | 128.2 | 212900. | 9046. |
| #2 | -.6195 | 148.1 | 106.8 | 129.3 | 215100. | 9217. |
| #3 | -.1365 | 149.8 | 108.6 | 130.8 | 215500. | 9365. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | 200000. | |
| Low Limit | | | | | -150.0 | |

Sample Name: 460-111680-A-1-E@4 Acquired: 4/10/2016 19:09:24 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 14750. | 5939. | -5.702 | 167.8 | 124.1 | 8.323 |
| Stddev | 102. | 36. | 6.702 | 1.5 | 1.5 | 1.995 |
| %RSD | .6895 | .5994 | 117.5 | .8695 | 1.205 | 23.97 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|--------------|--------------|
| #1 | 14640. | 5898. | -12.75 | 166.4 | 122.4 | 10.36 |
| #2 | 14840. | 5955. | -4.942 | 167.7 | 125.1 | 6.375 |
| #3 | 14780. | 5964. | .5874 | 169.3 | 124.8 | 8.232 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.899 | 11.52 | 246.1 | 204.2 | -14.50 | 6.546 |
| Stddev | 1.597 | 1.15 | 1.8 | 2.5 | .55 | .372 |
| %RSD | 84.10 | 10.01 | .7174 | 1.214 | 3.822 | 5.686 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|---------------|--------------|
| #1 | -.0585 | 10.63 | 244.1 | 201.4 | -14.01 | 6.361 |
| #2 | -2.920 | 12.82 | 246.7 | 206.2 | -15.10 | 6.302 |
| #3 | -2.719 | 11.10 | 247.5 | 204.9 | -14.38 | 6.974 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111680-A-1-E@4 Acquired: 4/10/2016 19:09:24 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.167 | 8.340 | 735.2 | 1027. |
| Stddev | .296 | .137 | 6.5 | 27. |
| %RSD | 3.227 | 1.644 | .8803 | 2.608 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 8.987 | 8.277 | 728.7 | 995.9 |
| #2 | 9.006 | 8.245 | 735.3 | 1042. |
| #3 | 9.508 | 8.497 | 741.7 | 1043. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 11273. | 76651. | 11631. |
| Stddev | 123. | 1289. | 175. |
| %RSD | 1.0905 | 1.6819 | 1.5013 |

| | | | |
|----|--------|--------|--------|
| #1 | 11151. | 75529. | 11452. |
| #2 | 11271. | 76365. | 11639. |
| #3 | 11397. | 78060. | 11801. |

Sample Name: 460-111708-B-7-B@4 Acquired: 4/10/2016 19:13:05 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 127900. | 16.90 | 1.109 | 635.3 | 5.342 | 17670. |
| Stddev | 1593. | 2.30 | .270 | 4.7 | .048 | 339. |
| %RSD | 1.246 | 13.62 | 24.32 | .7349 | .9039 | 1.920 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|--------|
| #1 | 126400. | 19.32 | .8006 | 630.4 | 5.299 | 17330. |
| #2 | 127800. | 14.74 | 1.223 | 635.7 | 5.394 | 17660. |
| #3 | 129600. | 16.64 | 1.302 | 639.8 | 5.332 | 18010. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2202 | 83.99 | 161.4 | 125.1 | 138200. | 31980. |
| Stddev | .2093 | .51 | 2.7 | 1.7 | 2222. | 398. |
| %RSD | 95.04 | .6020 | 1.691 | 1.342 | 1.607 | 1.245 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.1957 | 83.41 | 158.6 | 123.6 | 136000. | 31580. |
| #2 | -.0243 | 84.31 | 161.7 | 124.7 | 138200. | 31990. |
| #3 | -.4407 | 84.25 | 164.0 | 126.9 | 140500. | 32380. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111708-B-7-B@4 Acquired: 4/10/2016 19:13:05 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 37330. | 2415. | 1298. | 141.4 | 271.9 | 5.794 |
| Stddev | 795. | 38. | 22. | .9 | 2.9 | 3.361 |
| %RSD | 2.130 | 1.574 | 1.701 | .6462 | 1.052 | 58.01 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 36550. | 2378. | 1273. | 140.7 | 268.6 | 3.744 |
| #2 | 37310. | 2413. | 1307. | 142.5 | 273.9 | 9.672 |
| #3 | 38140. | 2454. | 1313. | 141.1 | 273.1 | 3.965 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.964 | 5.278 | 189.5 | 471.9 | -6.343 | 1.540 |
| Stddev | 3.714 | 4.137 | 3.0 | 4.7 | .482 | .272 |
| %RSD | 466.3 | 78.38 | 1.598 | .9914 | 7.598 | 17.65 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|---------------|--------------|
| #1 | 3.482 | 9.950 | 186.5 | 468.2 | -6.052 | 1.274 |
| #2 | -3.187 | 2.079 | 189.3 | 470.5 | -6.077 | 1.527 |
| #3 | -2.684 | 3.806 | 192.6 | 477.2 | -6.899 | 1.817 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111708-B-7-B@4 Acquired: 4/10/2016 19:13:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 28.93 | 50.68 | 6571. | 1100. |
| Stddev | .54 | .49 | 86. | 10. |
| %RSD | 1.857 | .9750 | 1.303 | .8789 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 28.45 | 50.39 | 6487. | 1107. |
| #2 | 28.83 | 50.39 | 6568. | 1089. |
| #3 | 29.51 | 51.25 | 6659. | 1105. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9507.8 | 64732. | 9981.3 |
| Stddev | 29.5 | 489. | 262.1 |
| %RSD | .30982 | .75570 | 2.6256 |

| | | | |
|----|--------|--------|--------|
| #1 | 9486.1 | 65160. | 10280. |
| #2 | 9541.3 | 64836. | 9874.6 |
| #3 | 9496.0 | 64199. | 9789.5 |

Sample Name: CCV Acquired: 4/10/2016 19:16:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121400. | 2492. | 1241. | 10010. | 989.1 | 124400. |
| Stddev | 76. | 6. | 1. | 17. | 1.1 | 248. |
| %RSD | .0623 | .2267 | .0673 | .1738 | .1062 | .1991 |

| | | | | | | |
|----|---------|-------|-------|--------|-------|---------|
| #1 | 121300. | 2488. | 1240. | 10030. | 988.1 | 124200. |
| #2 | 121400. | 2498. | 1242. | 10020. | 989.0 | 124500. |
| #3 | 121400. | 2490. | 1241. | 9994. | 990.2 | 124600. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1239. | 2482. | 5077. | 12530. | 100200. | 48390. |
| Stddev | 2. | 3. | 14. | 11. | 173. | 27. |
| %RSD | .1211 | .1018 | .2800 | .0851 | .1725 | .0549 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1240. | 2484. | 5061. | 12520. | 100000. | 48360. |
| #2 | 1237. | 2482. | 5082. | 12530. | 100200. | 48420. |
| #3 | 1238. | 2479. | 5089. | 12540. | 100400. | 48390. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 19:16:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 125200. | 5109. | 124400. | 2508. | 7463. | 988.7 |
| Stddev | 313. | 10. | 197. | 3. | 2. | 3.6 |
| %RSD | .2499 | .1879 | .1580 | .1163 | .0270 | .3592 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 124900. | 5099. | 124600. | 2511. | 7461. | 985.9 |
| #2 | 125100. | 5112. | 124400. | 2509. | 7462. | 992.7 |
| #3 | 125500. | 5117. | 124200. | 2505. | 7465. | 987.6 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2447. | 2473. | 2506. | 2497. | 987.8 | 2436. |
| Stddev | 6. | 7. | 2. | 6. | 2.1 | 5. |
| %RSD | .2344 | .2773 | .0633 | .2290 | .2103 | .2145 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2453. | 2465. | 2504. | 2494. | 987.6 | 2439. |
| #2 | 2447. | 2478. | 2506. | 2492. | 989.9 | 2438. |
| #3 | 2441. | 2476. | 2508. | 2503. | 985.8 | 2430. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 19:16:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 986.8 | 4899. | 10150. | 9875. |
| Stddev | 2.3 | 10. | 13. | 76. |
| %RSD | .2301 | .2073 | .1321 | .7687 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 988.6 | 4908. | 10130. | 9920. |
| #2 | 987.5 | 4901. | 10160. | 9918. |
| #3 | 984.3 | 4888. | 10160. | 9788. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9062.1 | 62497. | 9819.6 |
| Stddev | 31.6 | 239. | 83.6 |
| %RSD | .34919 | .38252 | .85167 |

| | | | |
|----|--------|--------|--------|
| #1 | 9091.2 | 62689. | 9889.4 |
| #2 | 9066.7 | 62572. | 9842.5 |
| #3 | 9028.4 | 62229. | 9726.9 |

Sample Name: CCB Acquired: 4/10/2016 19:20:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.263 | -1.178 | .1237 | .2620 | .1376 | -17.78 |
| Stddev | 3.024 | .464 | .1177 | .2756 | .0639 | 6.11 |
| %RSD | 92.67 | 39.40 | 95.12 | 105.2 | 46.42 | 34.36 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|--------|
| #1 | 6.159 | -1.555 | .1577 | .0894 | .0663 | -22.79 |
| #2 | .1258 | -1.318 | -.0072 | .5798 | .1895 | -19.59 |
| #3 | 3.505 | -.6597 | .2207 | .1168 | .1569 | -10.97 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1064 | .0084 | -.3141 | -.1941 | 1.944 | -12.43 |
| Stddev | .0805 | .2566 | .3547 | .9984 | 5.261 | 22.74 |
| %RSD | 75.67 | 3059. | 112.9 | 514.3 | 270.7 | 182.9 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -.1416 | -.1297 | -.0450 | -.5648 | -2.347 | 12.53 |
| #2 | -.0143 | .3044 | -.7160 | -.9542 | .3649 | -17.87 |
| #3 | -.1632 | -.1495 | -.1813 | .9366 | 7.813 | -31.97 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 19:20:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.01 | -.3618 | -38.53 | .3623 | 1.023 | .7127 |
| Stddev | 3.70 | .1079 | 9.25 | .5270 | .929 | 1.376 |
| %RSD | 36.94 | 29.82 | 24.01 | 145.4 | 90.80 | 193.1 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|--------------|---------------|
| #1 | -8.466 | -.3325 | -28.63 | -.2460 | .3937 | .5962 |
| #2 | -14.23 | -.4813 | -46.96 | .6523 | .5854 | -.6018 |
| #3 | -7.334 | -.2716 | -39.99 | .6805 | 2.090 | 2.144 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0302 | -.7666 | -.0066 | -.0764 | -2.265 | -.7963 |
| Stddev | 1.372 | .1235 | .0662 | .1061 | .510 | .2285 |
| %RSD | 4540. | 16.11 | 1004. | 138.8 | 22.53 | 28.69 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|---------------|---------------|
| #1 | -.5816 | -.7396 | -.0676 | -.1989 | -1.899 | -.5982 |
| #2 | -.9298 | -.9013 | -.0160 | -.0185 | -2.048 | -.7445 |
| #3 | 1.602 | -.6588 | .0638 | -.0119 | -2.848 | -1.046 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 19:20:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.6708 | -.0961 | -.4700 | .2934 |
| Stddev | .6838 | .1184 | .4426 | 15.45 |
| %RSD | 101.9 | 123.2 | 94.18 | 5266. |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | .0903 | -.0484 | -.8422 | 2.387 |
| #2 | -1.233 | -.2310 | -.5872 | 14.59 |
| #3 | -.8692 | -.0090 | .0194 | -16.10 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9640.3 | 64948. | 9974.9 |
| Stddev | 9.1 | 750. | 266.5 |
| %RSD | .09395 | 1.1541 | 2.6718 |

| | | | |
|----|--------|--------|--------|
| #1 | 9630.0 | 64082. | 9668.3 |
| #2 | 9647.1 | 65393. | 10151. |
| #3 | 9643.8 | 65368. | 10105. |

Sample Name: CCVL Acquired: 4/10/2016 19:24:11 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 195.8 | 12.43 | 9.822 | 206.8 | 1.976 | 5127. |
| Stddev | 5.1 | 1.37 | .230 | .6 | .080 | 54. |
| %RSD | 2.604 | 11.05 | 2.340 | .2915 | 4.041 | 1.053 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 201.3 | 11.15 | 9.769 | 206.6 | 1.923 | 5137. |
| #2 | 191.3 | 13.88 | 10.07 | 207.5 | 1.936 | 5175. |
| #3 | 194.8 | 12.26 | 9.624 | 206.4 | 2.068 | 5069. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.021 | 51.97 | 9.948 | 23.70 | 160.7 | 4754. |
| Stddev | .088 | .17 | .311 | .80 | 4.3 | 60. |
| %RSD | 2.199 | .3354 | 3.126 | 3.379 | 2.664 | 1.260 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.997 | 51.78 | 9.907 | 23.72 | 155.7 | 4707. |
| #2 | 4.119 | 52.12 | 9.659 | 22.89 | 163.2 | 4821. |
| #3 | 3.947 | 52.00 | 10.28 | 24.49 | 163.1 | 4732. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 19:24:11 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5032. | 15.90 | 4925. | 42.84 | 11.34 | 19.56 |
| Stddev | 21. | .12 | 19. | .30 | .56 | 1.05 |
| %RSD | .4234 | .7505 | .3896 | .6985 | 4.925 | 5.376 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5015. | 15.79 | 4930. | 42.97 | 11.38 | 18.53 |
| #2 | 5026. | 15.88 | 4942. | 42.49 | 11.88 | 20.63 |
| #3 | 5056. | 16.02 | 4904. | 43.05 | 10.76 | 19.51 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.70 | 18.34 | 51.04 | 31.26 | 46.22 | 17.64 |
| Stddev | .95 | 2.67 | .19 | .09 | .31 | .35 |
| %RSD | 5.707 | 14.54 | .3819 | .2911 | .6800 | 1.982 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 15.64 | 21.29 | 51.05 | 31.27 | 45.92 | 17.23 |
| #2 | 16.99 | 16.11 | 50.84 | 31.35 | 46.55 | 17.83 |
| #3 | 17.48 | 17.61 | 51.23 | 31.16 | 46.19 | 17.85 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 19:24:11 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.47 | 20.26 | 19.31 | F -1.007 |
| Stddev | .54 | .11 | .05 | 1.826 |
| %RSD | 1.105 | .5225 | .2703 | 181.4 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 48.36 | 20.15 | 19.35 | -2.869 |
| #2 | 48.00 | 20.37 | 19.25 | .7818 |
| #3 | 49.05 | 20.26 | 19.33 | -.9342 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9660.2 | 65371. | 9952.7 |
| Stddev | 63.1 | 777. | 217.0 |
| %RSD | .65360 | 1.1888 | 2.1802 |

| | | | |
|----|--------|--------|--------|
| #1 | 9590.2 | 65096. | 9938.5 |
| #2 | 9677.6 | 64769. | 9743.2 |
| #3 | 9712.9 | 66248. | 10176. |

Sample Name: 460-111708-A-8-B@4 Acquired: 4/10/2016 19:28:02 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 201700. | 30.37 | -1.902 | 1375. | 9.151 | 34490. |
| Stddev | 2074. | 3.12 | .192 | 4. | .131 | 260. |
| %RSD | 1.028 | 10.26 | 10.10 | .3056 | 1.430 | .7539 |

| | | | | | | |
|----|---------|-------|--------|-------|-------|--------|
| #1 | 199300. | 32.94 | -1.974 | 1370. | 9.203 | 34200. |
| #2 | 202700. | 26.91 | -2.049 | 1377. | 9.002 | 34550. |
| #3 | 203100. | 31.26 | -1.685 | 1378. | 9.248 | 34710. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0345 | 137.6 | 239.1 | 142.0 | F 246000. | 67290. |
| Stddev | .0721 | .6 | 1.2 | .9 | 1822. | 641. |
| %RSD | 208.8 | .4475 | .4865 | .6138 | .7406 | .9517 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | .0139 | 137.0 | 237.7 | 141.2 | 244000. | 66570. |
| #2 | -.0250 | 138.2 | 239.5 | 142.9 | 246300. | 67510. |
| #3 | .1147 | 137.7 | 239.9 | 141.8 | 247600. | 67800. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | 200000. | |
| Low Limit | | | | | -150.0 | |

Sample Name: 460-111708-A-8-B@4 Acquired: 4/10/2016 19:28:02 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 79260. | 3320. | 6864. | 271.5 | 806.5 | 11.49 |
| Stddev | 720. | 25. | 60. | 2.1 | 1.8 | 2.08 |
| %RSD | .9088 | .7570 | .8778 | .7846 | .2271 | 18.08 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 78510. | 3293. | 6795. | 269.5 | 804.4 | 13.78 |
| #2 | 79300. | 3324. | 6890. | 273.8 | 807.8 | 9.730 |
| #3 | 79950. | 3343. | 6907. | 271.2 | 807.3 | 10.96 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.554 | 8.299 | 377.0 | 852.7 | -11.61 | 1.474 |
| Stddev | 4.207 | 1.862 | 2.3 | 1.4 | .68 | .102 |
| %RSD | 164.7 | 22.44 | .6167 | .1623 | 5.878 | 6.933 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|---------------|--------------|
| #1 | 2.739 | 10.05 | 374.7 | 851.4 | -12.10 | 1.580 |
| #2 | 6.666 | 6.341 | 377.1 | 854.2 | -11.90 | 1.376 |
| #3 | -1.743 | 8.507 | 379.3 | 852.6 | -10.83 | 1.466 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111708-A-8-B@4 Acquired: 4/10/2016 19:28:02 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 55.21 | 94.56 | 13150. | 1080. |
| Stddev | .23 | .43 | 90. | 25. |
| %RSD | .4146 | .4544 | .6876 | 2.355 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 54.96 | 94.07 | 13130. | 1097. |
| #2 | 55.39 | 94.73 | 13070. | 1051. |
| #3 | 55.29 | 94.88 | 13240. | 1092. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9382.9 | 64090. | 9884.2 |
| Stddev | 40.4 | 138. | 204.3 |
| %RSD | .43006 | .21486 | 2.0672 |

| | | | |
|----|--------|--------|--------|
| #1 | 9336.3 | 63949. | 10106. |
| #2 | 9404.6 | 64224. | 9702.7 |
| #3 | 9407.7 | 64098. | 9844.4 |

Sample Name: 460-111708-A-9-A@4 Acquired: 4/10/2016 19:31:50 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 107800. | 19.87 | -8698 | 394.2 | 4.520 | 7601. |
| Stddev | 1866. | 3.24 | .7609 | 4.2 | .094 | 163. |
| %RSD | 1.730 | 16.32 | 87.47 | 1.076 | 2.079 | 2.139 |

| | | | | | | |
|----|---------|-------|--------|-------|-------|-------|
| #1 | 105900. | 16.94 | -.0015 | 389.7 | 4.444 | 7414. |
| #2 | 108100. | 19.31 | -1.420 | 394.8 | 4.489 | 7690. |
| #3 | 109600. | 23.35 | -1.188 | 398.1 | 4.625 | 7700. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.354 | 70.59 | 165.9 | 194.6 | F 262400. | 13430. |
| Stddev | .269 | .44 | 3.0 | 2.9 | 4608. | 232. |
| %RSD | 19.89 | .6249 | 1.819 | 1.484 | 1.756 | 1.728 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -1.108 | 70.09 | 162.5 | 191.6 | 257600. | 13290. |
| #2 | -1.311 | 70.87 | 167.2 | 194.9 | 262700. | 13310. |
| #3 | -1.642 | 70.83 | 168.1 | 197.4 | 266800. | 13700. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | 200000. | |
| Low Limit | | | | | -150.0 | |

Sample Name: 460-111708-A-9-A@4 Acquired: 4/10/2016 19:31:50 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 25230. | 1988. | 477.0 | 83.76 | 229.7 | 10.20 |
| Stddev | 542. | 35. | 12.5 | 1.00 | 5.4 | 1.44 |
| %RSD | 2.148 | 1.778 | 2.621 | 1.199 | 2.338 | 14.09 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 24670. | 1952. | 464.1 | 82.65 | 224.4 | 11.24 |
| #2 | 25260. | 1991. | 489.1 | 84.62 | 229.7 | 10.81 |
| #3 | 25760. | 2023. | 477.9 | 84.00 | 235.1 | 8.562 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.355 | 10.02 | 463.2 | 278.9 | -16.09 | 9.637 |
| Stddev | 2.652 | 3.79 | 7.5 | 6.4 | .39 | .138 |
| %RSD | 60.90 | 37.77 | 1.616 | 2.293 | 2.418 | 1.432 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|---------------|--------------|
| #1 | -7.417 | 13.22 | 455.3 | 273.0 | -16.49 | 9.485 |
| #2 | -2.845 | 11.01 | 464.4 | 278.0 | -16.08 | 9.671 |
| #3 | -2.803 | 5.843 | 470.1 | 285.7 | -15.71 | 9.754 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111708-A-9-A@4 Acquired: 4/10/2016 19:31:50 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.93 | 52.69 | 3488. | 1213. |
| Stddev | .36 | .65 | 52. | 31. |
| %RSD | 1.742 | 1.229 | 1.504 | 2.590 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 20.55 | 51.99 | 3433. | 1179. |
| #2 | 20.96 | 52.81 | 3492. | 1220. |
| #3 | 21.28 | 53.27 | 3538. | 1241. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9881.4 | 67568. | 10379. |
| Stddev | 17.9 | 137. | 116. |
| %RSD | .18150 | .20270 | 1.1212 |

| | | | |
|----|--------|--------|--------|
| #1 | 9861.0 | 67617. | 10485. |
| #2 | 9894.5 | 67674. | 10397. |
| #3 | 9888.8 | 67414. | 10254. |

Sample Name: 460-111708-A-10-A@4 Acquired: 4/10/2016 19:35:33 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 152000. | 13.76 | -1.264 | 673.3 | 11.48 | 6436. |
| Stddev | 821. | 1.69 | .216 | 1.3 | .04 | 72. |
| %RSD | .5399 | 12.26 | 17.09 | .1963 | .3393 | 1.111 |

| | | | | | | |
|----|---------|-------|--------|-------|-------|-------|
| #1 | 151900. | 11.81 | -1.044 | 674.7 | 11.51 | 6433. |
| #2 | 152800. | 14.73 | -1.273 | 673.0 | 11.49 | 6509. |
| #3 | 151200. | 14.73 | -1.475 | 672.1 | 11.44 | 6366. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.217 | 97.01 | 151.4 | 201.7 | F 216000. | 30960. |
| Stddev | .215 | .66 | 1.4 | .3 | 1742. | 143. |
| %RSD | 17.63 | .6812 | .9436 | .1411 | .8063 | .4622 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -1.067 | 97.75 | 151.7 | 201.5 | 216300. | 30870. |
| #2 | -1.463 | 96.81 | 152.7 | 201.6 | 217600. | 31120. |
| #3 | -1.122 | 96.47 | 149.9 | 202.0 | 214100. | 30880. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | 200000. | |
| Low Limit | | | | | -150.0 | |

Sample Name: 460-111708-A-10-A@4 Acquired: 4/10/2016 19:35:33 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 45680. | 2687. | 1136. | 145.5 | 124.6 | 10.53 |
| Stddev | 447. | 17. | 6. | .5 | .7 | .48 |
| %RSD | .9790 | .6218 | .5271 | .3100 | .5758 | 4.584 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 45720. | 2690. | 1135. | 145.9 | 124.6 | 10.45 |
| #2 | 46110. | 2702. | 1142. | 145.6 | 125.3 | 11.04 |
| #3 | 45220. | 2669. | 1130. | 145.0 | 123.8 | 10.09 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.185 | 8.721 | 374.5 | 406.9 | -13.11 | 5.824 |
| Stddev | 2.609 | 1.652 | 1.3 | 3.8 | .91 | .090 |
| %RSD | 220.1 | 18.94 | .3602 | .9337 | 6.950 | 1.544 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | 1.643 | 8.909 | 374.8 | 411.1 | -14.03 | 5.866 |
| #2 | -3.498 | 6.983 | 375.6 | 406.1 | -13.09 | 5.720 |
| #3 | -1.701 | 10.27 | 373.0 | 403.6 | -12.21 | 5.885 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111708-A-10-A@4 Acquired: 4/10/2016 19:35:33 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 22.55 | 40.94 | 6569. | 1118. |
| Stddev | .28 | .07 | 16. | 51. |
| %RSD | 1.253 | .1645 | .2491 | 4.535 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 22.33 | 40.90 | 6574. | 1117. |
| #2 | 22.45 | 40.90 | 6583. | 1068. |
| #3 | 22.87 | 41.02 | 6551. | 1169. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9895.9 | 66758. | 10330. |
| Stddev | 126.9 | 1242. | 400. |
| %RSD | 1.2827 | 1.8597 | 3.8729 |

| | | | |
|----|--------|--------|--------|
| #1 | 9750.1 | 66418. | 10341. |
| #2 | 9956.0 | 65722. | 9924.2 |
| #3 | 9981.7 | 68134. | 10724. |

Sample Name: 460-111708-B-11-A@4 Acquired: 4/10/2016 19:39:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 170200. | 18.17 | -2.034 | 1097. | 9.314 | 3052. |
| Stddev | 758. | .69 | .521 | 6. | .098 | 14. |
| %RSD | .4451 | 3.790 | 25.62 | .5340 | 1.046 | .4481 |

| | | | | | | |
|----|---------|-------|--------|-------|-------|-------|
| #1 | 169400. | 18.01 | -2.219 | 1099. | 9.203 | 3037. |
| #2 | 170800. | 17.58 | -2.437 | 1101. | 9.386 | 3064. |
| #3 | 170500. | 18.93 | -1.445 | 1090. | 9.353 | 3054. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6646 | 94.21 | 258.0 | 78.59 | 195300. | 56300. |
| Stddev | .1488 | 1.15 | 1.0 | .33 | 807. | 341. |
| %RSD | 22.40 | 1.223 | .3776 | .4197 | .4130 | .6056 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.4978 | 94.30 | 257.6 | 78.90 | 194600. | 55910. |
| #2 | -.7840 | 95.31 | 259.1 | 78.63 | 196200. | 56440. |
| #3 | -.7119 | 93.01 | 257.3 | 78.25 | 195100. | 56540. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111708-B-11-A@4 Acquired: 4/10/2016 19:39:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 69390. | 4020. | 1885. | 226.3 | 87.66 | 11.29 |
| Stddev | 382. | 15. | 12. | 1.8 | 1.73 | 2.09 |
| %RSD | .5500 | .3732 | .6137 | .8056 | 1.973 | 18.52 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 69080. | 4008. | 1871. | 228.1 | 89.47 | 8.896 |
| #2 | 69820. | 4037. | 1893. | 226.5 | 86.02 | 12.76 |
| #3 | 69260. | 4017. | 1889. | 224.5 | 87.49 | 12.22 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .8419 | 6.069 | 295.3 | 582.5 | -13.98 | 1.319 |
| Stddev | 3.991 | 2.372 | 1.0 | 2.7 | .61 | .536 |
| %RSD | 474.0 | 39.08 | .3226 | .4662 | 4.397 | 40.67 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | .5775 | 4.406 | 294.2 | 582.2 | -14.58 | .6998 |
| #2 | -3.010 | 8.785 | 296.0 | 585.4 | -14.01 | 1.637 |
| #3 | 4.958 | 5.016 | 295.7 | 580.0 | -13.35 | 1.621 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111708-B-11-A@4 Acquired: 4/10/2016 19:39:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 30.93 | 44.35 | 13250. | 1053. |
| Stddev | .53 | .14 | 45. | 11. |
| %RSD | 1.703 | .3270 | .3361 | 1.079 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 30.48 | 44.18 | 13280. | 1060. |
| #2 | 30.80 | 44.43 | 13260. | 1060. |
| #3 | 31.51 | 44.44 | 13200. | 1040. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9691.8 | 65761. | 10311. |
| Stddev | 7.5 | 284. | 241. |
| %RSD | .07742 | .43132 | 2.3352 |

| | | | |
|----|--------|--------|--------|
| #1 | 9695.5 | 66063. | 10581. |
| #2 | 9683.2 | 65501. | 10117. |
| #3 | 9696.8 | 65719. | 10235. |

Sample Name: 460-111708-A-12-A@4 Acquired: 4/10/2016 19:43:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 140800. | 19.99 | -1.637 | 786.7 | 7.160 | 6241. |
| Stddev | 713. | 2.48 | .551 | 2.6 | .122 | 47. |
| %RSD | .5067 | 12.42 | 33.65 | .3279 | 1.706 | .7583 |

| | | | | | | |
|----|---------|-------|--------|-------|-------|-------|
| #1 | 140000. | 20.08 | -1.677 | 786.5 | 7.296 | 6187. |
| #2 | 140900. | 17.47 | -1.067 | 789.4 | 7.060 | 6269. |
| #3 | 141400. | 22.43 | -2.167 | 784.3 | 7.125 | 6268. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1115 | 78.08 | 229.3 | 127.9 | 182600. | 42910. |
| Stddev | .0733 | .81 | 1.0 | 1.0 | 585. | 282. |
| %RSD | 65.74 | 1.032 | .4275 | .7561 | .3203 | .6566 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.0583 | 77.41 | 228.3 | 128.8 | 182000. | 42610. |
| #2 | -.0811 | 78.98 | 230.3 | 128.0 | 182800. | 42970. |
| #3 | -.1952 | 77.85 | 229.2 | 126.9 | 183100. | 43160. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111708-A-12-A@4 Acquired: 4/10/2016 19:43:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 50090. | 2391. | 886.2 | 174.1 | 300.1 | 12.13 |
| Stddev | 236. | 6. | 9.9 | .5 | .9 | 2.40 |
| %RSD | .4713 | .2610 | 1.117 | .3079 | .3036 | 19.80 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 49830. | 2384. | 874.8 | 173.7 | 299.8 | 9.907 |
| #2 | 50130. | 2394. | 891.9 | 174.0 | 301.1 | 14.68 |
| #3 | 50300. | 2395. | 891.9 | 174.7 | 299.4 | 11.80 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.236 | 4.419 | 237.8 | 648.5 | -10.87 | .8428 |
| Stddev | 2.931 | 4.204 | 1.1 | .7 | .81 | .6637 |
| %RSD | 131.1 | 95.12 | .4577 | .1148 | 7.479 | 78.76 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -1.486 | 1.205 | 236.7 | 648.0 | -10.28 | .8118 |
| #2 | .2470 | 2.877 | 238.9 | 649.4 | -11.80 | .1951 |
| #3 | -5.470 | 9.177 | 237.9 | 648.2 | -10.54 | 1.521 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111708-A-12-A@4 Acquired: 4/10/2016 19:43:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 36.06 | 46.84 | 9461. | 1040. |
| Stddev | .49 | .26 | 14. | 9. |
| %RSD | 1.371 | .5651 | .1459 | .8577 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 35.77 | 46.53 | 9464. | 1048. |
| #2 | 36.63 | 47.01 | 9473. | 1042. |
| #3 | 35.77 | 46.96 | 9446. | 1031. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9626.8 | 65813. | 10149. |
| Stddev | 28.0 | 428. | 202. |
| %RSD | .29069 | .65093 | 1.9906 |

| | | | |
|----|--------|--------|--------|
| #1 | 9621.9 | 66074. | 10357. |
| #2 | 9656.9 | 66047. | 10136. |
| #3 | 9601.6 | 65319. | 9953.8 |

Sample Name: 460-111377-E-2-B@2 Acquired: 4/10/2016 19:46:46 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.01 | .5704 | .2593 | 70.06 | -.0444 | 87710. |
| Stddev | 25.76 | 2.019 | .8456 | .15 | .0097 | 107. |
| %RSD | 122.6 | 354.1 | 326.1 | .2158 | 21.89 | .1221 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 50.73 | -1.593 | .7847 | 70.23 | -.0503 | 87590. |
| #2 | 5.311 | .8993 | .7093 | 69.96 | -.0332 | 87760. |
| #3 | 6.972 | 2.405 | -.7161 | 69.98 | -.0497 | 87790. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0763 | .8181 | -.9300 | -.0298 | 9.596 | 21970. |
| Stddev | .0285 | .1407 | .4649 | .4936 | 14.86 | 34. |
| %RSD | 37.39 | 17.20 | 49.99 | 1656. | 154.8 | .1568 |

| | | | | | | |
|----|--------|-------|--------|--------|--------|--------|
| #1 | -.0493 | .7282 | -.9671 | -.0181 | 20.71 | 21940. |
| #2 | -.1061 | .9802 | -1.375 | -.5292 | -7.277 | 22010. |
| #3 | -.0733 | .7458 | -.4476 | .4578 | 15.35 | 21970. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-E-2-B@2 Acquired: 4/10/2016 19:46:46 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20410. | 170.3 | 124900. | 4.179 | -1.045 | 1.025 |
| Stddev | 42. | 2.3 | 126. | .589 | 2.220 | .976 |
| %RSD | .2053 | 1.380 | .1009 | 14.09 | 212.5 | 95.18 |

| | | | | | | |
|----|---------------|--------------|----------------|--------------|---------------|--------------|
| #1 | 20370. | 167.8 | 125100. | 4.851 | -3.346 | 2.124 |
| #2 | 20440. | 170.7 | 124900. | 3.756 | -8.719 | .2605 |
| #3 | 20440. | 172.4 | 124800. | 3.929 | 1.084 | .6907 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.109 | -2.410 | .4209 | 4.549 | 281.2 | 1.971 |
| Stddev | 1.145 | 1.800 | .2515 | .058 | 2.8 | .120 |
| %RSD | 54.31 | 74.69 | 59.76 | 1.282 | .9871 | 6.094 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|--------------|--------------|
| #1 | -3.431 | -1.051 | .7108 | 4.486 | 278.0 | 1.935 |
| #2 | -1.467 | -4.452 | .2908 | 4.560 | 282.2 | 2.105 |
| #3 | -1.429 | -1.728 | .2611 | 4.601 | 283.3 | 1.873 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111377-E-2-B@2 Acquired: 4/10/2016 19:46:46 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|----------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | - .9108 | 624.0 | 1.831 | 4646. |
| Stddev | .7109 | 1.2 | .844 | 89. |
| %RSD | 78.05 | .1918 | 46.11 | 1.918 |

| | | | | |
|----|---------|-------|-------|-------|
| #1 | - .1228 | 625.0 | 2.802 | 4548. |
| #2 | -1.106 | 624.3 | 1.279 | 4667. |
| #3 | -1.504 | 622.7 | 1.411 | 4722. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9343.6 | 64269. | 9842.6 |
| Stddev | 26.7 | 56. | 48.5 |
| %RSD | .28603 | .08644 | .49319 |

| | | | |
|----|--------|--------|--------|
| #1 | 9373.8 | 64299. | 9801.3 |
| #2 | 9334.3 | 64303. | 9896.0 |
| #3 | 9322.8 | 64205. | 9830.4 |

Sample Name: pds 460-110049-D-9-A Acquired: 4/10/2016 19:50:37 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2373. | 1974. | 54.82 | 2052. | 51.79 | 22620. |
| Stddev | 5. | 2. | .07 | 4. | .23 | 137. |
| %RSD | .2060 | .1005 | .1225 | .2034 | .4423 | .6048 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 2368. | 1971. | 54.75 | 2054. | 51.71 | 22540. |
| #2 | 2377. | 1975. | 54.88 | 2056. | 51.62 | 22550. |
| #3 | 2373. | 1975. | 54.84 | 2048. | 52.05 | 22780. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.31 | 518.9 | 402.2 | 256.9 | 2139. | 18840. |
| Stddev | .15 | 1.4 | 2.6 | 2.4 | 25. | 98. |
| %RSD | .2977 | .2788 | .6445 | .9271 | 1.148 | .5201 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 51.36 | 519.4 | 401.9 | 259.0 | 2141. | 18850. |
| #2 | 51.44 | 520.0 | 399.7 | 254.3 | 2113. | 18740. |
| #3 | 51.14 | 517.3 | 404.9 | 257.5 | 2162. | 18930. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds 460-110049-D-9-A Acquired: 4/10/2016 19:50:37 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20990. | 614.4 | 29860. | 807.4 | 517.7 | 485.2 |
| Stddev | 137. | 1.9 | 96. | 1.2 | 1.0 | 1.9 |
| %RSD | .6541 | .3090 | .3213 | .1468 | .1957 | .3947 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 20930. | 614.2 | 29870. | 806.8 | 517.4 | 487.0 |
| #2 | 20890. | 612.7 | 29760. | 808.8 | 518.8 | 483.2 |
| #3 | 21150. | 616.4 | 29950. | 806.6 | 516.9 | 485.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1984. | 2112. | 521.7 | 532.7 | 523.0 | 490.4 |
| Stddev | 8. | 12. | 3.6 | 2.1 | 2.2 | 1.2 |
| %RSD | .3922 | .5513 | .6986 | .3925 | .4212 | .2441 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1993. | 2119. | 522.5 | 533.5 | 523.8 | 491.5 |
| #2 | 1977. | 2099. | 517.7 | 534.2 | 520.5 | 489.2 |
| #3 | 1983. | 2118. | 524.9 | 530.3 | 524.7 | 490.7 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds 460-110049-D-9-A Acquired: 4/10/2016 19:50:37 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 514.8 | 511.5 | 544.4 | 5118. |
| Stddev | 3.0 | .3 | .3 | 124. |
| %RSD | .5764 | .0577 | .0595 | 2.420 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 516.0 | 511.9 | 544.4 | 5133. |
| #2 | 511.4 | 511.4 | 544.7 | 5234. |
| #3 | 517.0 | 511.3 | 544.0 | 4987. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9520.1 | 64169. | 9804.3 |
| Stddev | 37.5 | 576. | 205.9 |
| %RSD | .39409 | .89726 | 2.1005 |

| | | | |
|----|--------|--------|--------|
| #1 | 9514.2 | 64407. | 9860.4 |
| #2 | 9485.9 | 64588. | 9976.3 |
| #3 | 9560.2 | 63513. | 9576.1 |

Sample Name: 460-110049-D-9-B MS Acquired: 4/10/2016 19:54:08 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2832. | 1966. | 49.51 | 2012. | 50.64 | 22320. |
| Stddev | 17. | 4. | .32 | 5. | .12 | 126. |
| %RSD | .6111 | .2199 | .6489 | .2445 | .2455 | .5644 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 2848. | 1966. | 49.20 | 2007. | 50.50 | 22180. |
| #2 | 2813. | 1971. | 49.49 | 2014. | 50.74 | 22360. |
| #3 | 2834. | 1962. | 49.84 | 2016. | 50.68 | 22430. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 50.59 | 510.0 | 403.3 | 250.7 | 2129. | 18310. |
| Stddev | .06 | 1.0 | 4.2 | 3.0 | 9. | 47. |
| %RSD | .1283 | .1901 | 1.052 | 1.216 | .4430 | .2592 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 50.55 | 509.3 | 399.4 | 248.6 | 2119. | 18320. |
| #2 | 50.67 | 509.6 | 402.7 | 249.3 | 2136. | 18250. |
| #3 | 50.56 | 511.1 | 407.8 | 254.2 | 2133. | 18350. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110049-D-9-B MS Acquired: 4/10/2016 19:54:08 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20740. | 607.6 | 29510. | 806.9 | 509.7 | 490.1 |
| Stddev | 128. | 2.6 | 20. | 2.0 | 1.0 | 1.4 |
| %RSD | .6157 | .4200 | .0681 | .2495 | .1968 | .2869 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|--------------|--------------|
| #1 | 20600. | 604.9 | 29500. | 804.7 | 510.5 | 489.8 |
| #2 | 20770. | 607.9 | 29490. | 807.3 | 508.6 | 491.7 |
| #3 | 20850. | 610.0 | 29530. | 808.7 | 510.0 | 488.9 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1935. | 2073. | 510.7 | 526.0 | 514.7 | 481.1 |
| Stddev | 11. | 7. | 3.7 | 1.2 | 1.5 | .6 |
| %RSD | .5722 | .3406 | .7286 | .2262 | .2901 | .1340 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 1948. | 2066. | 506.4 | 525.5 | 513.0 | 480.3 |
| #2 | 1930. | 2072. | 512.8 | 525.2 | 515.3 | 481.5 |
| #3 | 1928. | 2080. | 513.0 | 527.4 | 515.8 | 481.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110049-D-9-B MS Acquired: 4/10/2016 19:54:08 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 507.0 | 497.2 | 534.4 | 5674. |
| Stddev | 2.3 | .8 | 1.7 | 66. |
| %RSD | .4566 | .1607 | .3243 | 1.156 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 504.4 | 497.7 | 532.9 | 5612. |
| #2 | 507.8 | 497.5 | 534.0 | 5743. |
| #3 | 508.9 | 496.3 | 536.3 | 5666. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9409.3 | 63666. | 9674.8 |
| Stddev | 20.4 | 372. | 102.3 |
| %RSD | .21640 | .58468 | 1.0569 |

| | | | |
|----|--------|--------|--------|
| #1 | 9413.7 | 64051. | 9686.3 |
| #2 | 9427.1 | 63641. | 9770.8 |
| #3 | 9387.1 | 63307. | 9567.3 |

Sample Name: 460-110049-A-9-A DU Acquired: 4/10/2016 19:57:40 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 345.2 | -1.199 | .4899 | 5.279 | .0869 | 2265. |
| Stddev | 7.0 | 1.258 | .2619 | .218 | .0987 | 18. |
| %RSD | 2.027 | 105.0 | 53.46 | 4.128 | 113.5 | .7841 |

| | | | | | | |
|----|-------|--------|-------|-------|--------|-------|
| #1 | 337.3 | -.5401 | .7630 | 5.466 | .1297 | 2275. |
| #2 | 350.5 | -.4062 | .4657 | 5.040 | .1569 | 2277. |
| #3 | 347.9 | -2.649 | .2409 | 5.333 | -.0259 | 2245. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0606 | 5.373 | 194.4 | 7.729 | 1136. | 622.7 |
| Stddev | .0989 | .094 | 1.0 | .122 | 13. | 25.8 |
| %RSD | 163.4 | 1.757 | .4977 | 1.573 | 1.123 | 4.144 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | -.0783 | 5.302 | 195.2 | 7.591 | 1128. | 620.8 |
| #2 | -.1494 | 5.480 | 194.6 | 7.819 | 1129. | 649.4 |
| #3 | .0461 | 5.338 | 193.3 | 7.777 | 1150. | 597.9 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110049-A-9-A DU Acquired: 4/10/2016 19:57:40 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 832.2 | 83.79 | 9922. | 298.6 | .3372 | 2.219 |
| Stddev | 11.0 | .98 | 7. | 3.3 | .9419 | 1.442 |
| %RSD | 1.327 | 1.164 | .0659 | 1.092 | 279.3 | 64.97 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 823.9 | 83.13 | 9928. | 295.7 | -.0048 | 1.666 |
| #2 | 827.9 | 83.32 | 9922. | 302.2 | -.3858 | 1.136 |
| #3 | 844.7 | 84.91 | 9915. | 298.0 | 1.402 | 3.856 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.051 | -1.053 | 1.123 | 7.013 | 8.719 | .0247 |
| Stddev | 3.408 | .238 | .203 | .145 | .509 | .3192 |
| %RSD | 166.1 | 22.58 | 18.12 | 2.061 | 5.842 | 1295. |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | -5.549 | -.9796 | 1.147 | 7.115 | 9.171 | .3823 |
| #2 | -1.864 | -.8612 | .9087 | 7.076 | 8.818 | -.0768 |
| #3 | 1.259 | -1.319 | 1.314 | 6.848 | 8.167 | -.2315 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110049-A-9-A DU Acquired: 4/10/2016 19:57:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.135 | 11.39 | 15.38 | 4877. |
| Stddev | .051 | .05 | .31 | 110. |
| %RSD | 4.501 | .4457 | 2.011 | 2.263 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | -1.180 | 11.40 | 15.34 | 4750. |
| #2 | -1.080 | 11.33 | 15.09 | 4955. |
| #3 | -1.144 | 11.43 | 15.71 | 4925. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9645.8 | 65205. | 9754.8 |
| Stddev | 22.7 | 304. | 257.9 |
| %RSD | .23556 | .46582 | 2.6438 |

| | | | |
|----|--------|--------|--------|
| #1 | 9671.2 | 64888. | 9463.1 |
| #2 | 9627.5 | 65233. | 9848.9 |
| #3 | 9638.6 | 65493. | 9952.5 |

Sample Name: 460-110049-D-9-A Acquired: 4/10/2016 20:01:32 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 405.7 | -7088 | -3348 | 5.219 | .0100 | 2268. |
| Stddev | 2.3 | 1.111 | .4546 | .195 | .1184 | 20. |
| %RSD | .5581 | 156.8 | 135.8 | 3.735 | 1179. | .9009 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|-------|
| #1 | 405.3 | .0406 | -.6318 | 5.118 | -.1235 | 2280. |
| #2 | 408.2 | -1.985 | .1885 | 5.096 | .1022 | 2280. |
| #3 | 403.7 | -.1817 | -.5612 | 5.444 | .0514 | 2245. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.1244 | 5.170 | 193.1 | 7.582 | 1132. | 595.0 |
| Stddev | .0547 | .062 | .4 | .575 | 3. | 48.5 |
| %RSD | 43.99 | 1.199 | .2223 | 7.589 | .2319 | 8.150 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | -.1176 | 5.181 | 192.8 | 8.125 | 1129. | 599.1 |
| #2 | -.1822 | 5.226 | 193.6 | 7.642 | 1132. | 544.6 |
| #3 | -.0734 | 5.104 | 192.9 | 6.979 | 1134. | 641.3 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110049-D-9-A Acquired: 4/10/2016 20:01:32 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 834.3 | 84.94 | 10010. | 300.6 | .4890 | .2231 |
| Stddev | 1.9 | .85 | 14. | 2.2 | 1.332 | 1.324 |
| %RSD | .2234 | .9971 | .1396 | .7456 | 272.3 | 593.4 |
| #1 | 833.2 | 84.58 | 10010. | 298.1 | 2.020 | .2836 |
| #2 | 833.3 | 84.34 | 10020. | 302.2 | -.3976 | -1.130 |
| #3 | 836.4 | 85.91 | 9996. | 301.7 | -.1556 | 1.515 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.470 | -2.099 | 1.070 | 6.991 | 8.010 | -.5761 |
| Stddev | .594 | .582 | .225 | .187 | .466 | .3503 |
| %RSD | 24.05 | 27.72 | 21.01 | 2.679 | 5.818 | 60.81 |
| #1 | -2.440 | -2.771 | .9652 | 7.201 | 7.675 | -.3279 |
| #2 | -1.892 | -1.786 | 1.328 | 6.931 | 8.542 | -.4236 |
| #3 | -3.079 | -1.741 | .9162 | 6.841 | 7.812 | -.9768 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110049-D-9-A Acquired: 4/10/2016 20:01:32 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.213 | 11.66 | 19.36 | 5089. |
| Stddev | .859 | .07 | .10 | 119. |
| %RSD | 70.83 | .6176 | .5328 | 2.337 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | -2.205 | 11.72 | 19.26 | 4955. |
| #2 | -.7402 | 11.58 | 19.36 | 5131. |
| #3 | -.6944 | 11.68 | 19.47 | 5181. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9631.3 | 65313. | 9886.8 |
| Stddev | 30.8 | 639. | 107.0 |
| %RSD | .31999 | .97852 | 1.0820 |

| | | | |
|----|--------|--------|--------|
| #1 | 9595.8 | 64797. | 9767.9 |
| #2 | 9646.1 | 65114. | 9917.4 |
| #3 | 9651.8 | 66028. | 9975.1 |

Sample Name: CCV Acquired: 4/10/2016 20:05:25 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121500. | 2506. | 1246. | 10030. | 991.2 | 125300. |
| Stddev | 650. | 4. | 4. | 7. | 3.2 | 881. |
| %RSD | .5346 | .1542 | .3563 | .0654 | .3180 | .7034 |

| | | | | | | |
|----|---------|-------|-------|--------|-------|---------|
| #1 | 121100. | 2502. | 1250. | 10030. | 988.6 | 125200. |
| #2 | 122300. | 2506. | 1247. | 10030. | 994.7 | 126200. |
| #3 | 121100. | 2510. | 1241. | 10020. | 990.2 | 124500. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1241. | 2489. | 5122. | 12590. | 100900. | 48360. |
| Stddev | 3. | 4. | 21. | 23. | 506. | 266. |
| %RSD | .2634 | .1592 | .4137 | .1824 | .5021 | .5498 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1243. | 2488. | 5118. | 12610. | 100900. | 48170. |
| #2 | 1244. | 2494. | 5145. | 12570. | 101300. | 48660. |
| #3 | 1238. | 2487. | 5103. | 12600. | 100300. | 48230. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 20:05:25 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 126300. | 5147. | 124700. | 2517. | 7499. | 994.1 |
| Stddev | 655. | 21. | 560. | 4. | 18. | 3.1 |
| %RSD | .5189 | .4157 | .4488 | .1617 | .2344 | .3110 |

| | | | | | | |
|----|----------------|--------------|----------------|--------------|--------------|--------------|
| #1 | 126200. | 5147. | 124700. | 2519. | 7512. | 996.5 |
| #2 | 127000. | 5168. | 125300. | 2520. | 7506. | 990.6 |
| #3 | 125600. | 5125. | 124200. | 2513. | 7479. | 995.2 |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2451. | 2480. | 2519. | 2511. | 992.8 | 2449. |
| Stddev | 7. | 1. | 5. | 17. | 4.9 | 1. |
| %RSD | .2864 | .0517 | .1841 | .6618 | .4910 | .0500 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 2443. | 2479. | 2518. | 2518. | 990.6 | 2448. |
| #2 | 2454. | 2482. | 2524. | 2523. | 989.4 | 2448. |
| #3 | 2456. | 2479. | 2515. | 2492. | 998.3 | 2450. |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/10/2016 20:05:25 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 996.2 | 4883. | 10210. | 9873. |
| Stddev | 3.6 | 11. | 10. | 171. |
| %RSD | .3629 | .2244 | .0957 | 1.727 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | 997.3 | 4881. | 10210. | 9919. |
| #2 | 999.1 | 4895. | 10220. | 9685. |
| #3 | 992.1 | 4874. | 10200. | 10020. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8956.2 | 61558. | 9661.0 |
| Stddev | 58.5 | 638. | 188.6 |
| %RSD | .65329 | 1.0368 | 1.9517 |

| | | | |
|----|--------|--------|--------|
| #1 | 8909.2 | 61301. | 9700.5 |
| #2 | 8937.6 | 61088. | 9455.9 |
| #3 | 9021.7 | 62284. | 9826.8 |

Sample Name: CCB Acquired: 4/10/2016 20:08:54 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.453 | .0645 | .4473 | -.1494 | .0019 | -16.90 |
| Stddev | 8.432 | 1.034 | .2128 | .2646 | .0997 | 2.12 |
| %RSD | 89.21 | 1604. | 47.57 | 177.1 | 5344. | 12.53 |

| | | | | | | |
|----|-------|--------|-------|--------|--------|--------|
| #1 | 7.625 | .6011 | .6712 | .0751 | -.0666 | -16.98 |
| #2 | 18.65 | -1.128 | .2477 | -.0823 | .1162 | -18.98 |
| #3 | 2.084 | .7201 | .4230 | -.4412 | -.0440 | -14.74 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1389 | -.2157 | -.2997 | -.2883 | -.0497 | 7.770 |
| Stddev | .0253 | .2813 | .5393 | .1225 | 10.23 | 40.37 |
| %RSD | 18.19 | 130.4 | 179.9 | 42.49 | 20600. | 519.5 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -.1298 | -.1801 | .3089 | -.2566 | 8.393 | 54.21 |
| #2 | -.1675 | -.5132 | -.4900 | -.1847 | 2.883 | -12.01 |
| #3 | -.1195 | .0461 | -.7181 | -.4235 | -11.42 | -18.89 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 20:08:54 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.709 | -.3578 | -27.15 | -.1119 | .7399 | .5584 |
| Stddev | 2.104 | .1755 | 20.88 | .4166 | .2531 | .5956 |
| %RSD | 24.16 | 49.05 | 76.89 | 372.2 | 34.20 | 106.7 |
| #1 | -7.604 | -.2080 | -3.695 | .1897 | .8896 | .0344 |
| #2 | -7.387 | -.3145 | -43.70 | .0618 | .8823 | .4347 |
| #3 | -11.14 | -.5509 | -34.07 | -.5873 | .4477 | 1.206 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5769 | .2054 | .1466 | -.2374 | -1.603 | -.6217 |
| Stddev | .5863 | 1.017 | .2832 | .1130 | .780 | .4253 |
| %RSD | 101.6 | 495.3 | 193.2 | 47.59 | 48.68 | 68.42 |
| #1 | .1000 | 1.079 | -.0126 | -.3645 | -.7027 | -.3057 |
| #2 | -.9260 | -.9113 | .4737 | -.1991 | -2.021 | -.4541 |
| #3 | -.9046 | .4483 | -.0211 | -.1486 | -2.085 | -1.105 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/10/2016 20:08:54 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -6468 | .0099 | -.5319 | -4.133 |
| Stddev | .5267 | .1648 | .0495 | 13.07 |
| %RSD | 81.44 | 1666. | 9.300 | 316.3 |

| | | | | |
|----|---------------|---------------|---------------|---------------|
| #1 | -1.561 | .1982 | -.4846 | -19.20 |
| #2 | -.5809 | -.0604 | -.5833 | 2.656 |
| #3 | -1.203 | -1.081 | -.5280 | 4.147 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9587.7 | 64364. | 9969.5 |
| Stddev | 90.1 | 889. | 188.1 |
| %RSD | .93956 | 1.3814 | 1.8867 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9483.7 | 64050. | 10077. |
| #2 | 9637.9 | 63674. | 9752.3 |
| #3 | 9641.6 | 65367. | 10079. |

Sample Name: CCVL Acquired: 4/10/2016 20:12:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 203.5 | 11.64 | 9.730 | 205.8 | 1.801 | 5120. |
| Stddev | .2 | 1.51 | .431 | 1.1 | .119 | 14. |
| %RSD | .0937 | 12.94 | 4.434 | .5117 | 6.626 | .2750 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 203.5 | 11.94 | 10.06 | 204.6 | 1.673 | 5130. |
| #2 | 203.3 | 10.01 | 9.241 | 206.2 | 1.821 | 5127. |
| #3 | 203.7 | 12.98 | 9.890 | 206.6 | 1.909 | 5104. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.953 | 51.94 | 9.737 | 23.44 | 161.3 | 4787. |
| Stddev | .089 | .15 | .407 | .43 | 3.0 | 58. |
| %RSD | 2.264 | .2860 | 4.176 | 1.821 | 1.869 | 1.206 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.869 | 51.96 | 9.918 | 22.99 | 157.9 | 4730. |
| #2 | 4.047 | 51.79 | 9.272 | 23.83 | 163.2 | 4785. |
| #3 | 3.942 | 52.08 | 10.02 | 23.52 | 163.0 | 4845. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 20:12:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5084. | 15.96 | 4902. | 41.94 | 10.41 | 21.08 |
| Stddev | 58. | .19 | 28. | .49 | .60 | 1.60 |
| %RSD | 1.146 | 1.183 | .5657 | 1.166 | 5.738 | 7.597 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5017. | 15.77 | 4875. | 42.01 | 9.724 | 19.52 |
| #2 | 5121. | 15.96 | 4900. | 41.43 | 10.81 | 21.01 |
| #3 | 5114. | 16.15 | 4931. | 42.40 | 10.69 | 22.72 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.16 | 19.05 | 51.96 | 31.36 | 45.90 | 17.53 |
| Stddev | 1.83 | .66 | .75 | .19 | .04 | .42 |
| %RSD | 10.64 | 3.458 | 1.435 | .5901 | .0828 | 2.395 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 15.57 | 18.87 | 51.30 | 31.21 | 45.86 | 17.06 |
| #2 | 16.76 | 18.50 | 51.82 | 31.30 | 45.90 | 17.86 |
| #3 | 19.15 | 19.78 | 52.77 | 31.57 | 45.94 | 17.66 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/10/2016 20:12:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.35 | 20.31 | 19.60 | F -15.66 |
| Stddev | .51 | .27 | .39 | 5.94 |
| %RSD | 1.054 | 1.329 | 1.985 | 37.91 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 47.99 | 20.09 | 19.17 | -14.50 |
| #2 | 48.12 | 20.24 | 19.70 | -10.39 |
| #3 | 48.93 | 20.61 | 19.93 | -22.10 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9601.1 | 65083. | 9929.0 |
| Stddev | 9.2 | 128. | 174.8 |
| %RSD | .09631 | .19599 | 1.7602 |

| | | | |
|----|--------|--------|--------|
| #1 | 9610.6 | 65033. | 10120. |
| #2 | 9592.1 | 64988. | 9776.2 |
| #3 | 9600.5 | 65228. | 9891.2 |

Sample Name: sd460-110049-D-9-A@5 Acquired: 4/10/2016 20:16:42 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|----------------|----------------|---------------|----------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 83.53 | -0.8752 | -0.3100 | .9215 | -0.0279 | 439.1 |
| Stddev | 4.60 | .7008 | .3841 | .1666 | .0670 | 8.5 |
| %RSD | 5.505 | 80.08 | 123.9 | 18.08 | 240.0 | 1.930 |

| | | | | | | |
|----|--------------|----------------|----------------|--------------|----------------|--------------|
| #1 | 88.03 | -0.0682 | -0.6151 | .7507 | -0.0446 | 445.9 |
| #2 | 78.84 | -1.226 | .1214 | .9303 | -0.0850 | 429.6 |
| #3 | 83.73 | -1.331 | -0.4363 | 1.084 | .0459 | 441.9 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.1623 | .8790 | 38.72 | .3979 | 214.5 | 91.47 |
| Stddev | .1114 | .0776 | .33 | .0727 | 6.9 | 14.35 |
| %RSD | 68.65 | 8.833 | .8466 | 18.28 | 3.240 | 15.69 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| #1 | -0.2742 | .8625 | 38.65 | .3207 | 208.2 | 79.33 |
| #2 | -0.0514 | .9635 | 38.43 | .4077 | 213.3 | 107.3 |
| #3 | -0.1613 | .8109 | 39.08 | .4652 | 222.0 | 87.76 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-110049-D-9-A@5 Acquired: 4/10/2016 20:16:42 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 156.2 | 16.29 | 1986. | 59.69 | .4029 | .0864 |
| Stddev | 3.8 | .23 | 17. | .25 | 1.450 | 2.266 |
| %RSD | 2.438 | 1.434 | .8742 | .4247 | 359.9 | 2623. |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 153.1 | 16.24 | 1969. | 59.59 | -1.027 | 2.695 |
| #2 | 155.0 | 16.09 | 2004. | 59.98 | .3626 | -1.385 |
| #3 | 160.4 | 16.55 | 1985. | 59.51 | 1.873 | -1.051 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.187 | -2.860 | .1795 | 1.265 | -.7811 | -1.797 |
| Stddev | 3.849 | 1.464 | .1503 | .193 | .1396 | .180 |
| %RSD | 176.0 | 51.18 | 83.74 | 15.23 | 17.87 | 10.01 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|--------|
| #1 | 2.244 | -1.768 | .0405 | 1.189 | -.7670 | -1.977 |
| #2 | -4.097 | -4.523 | .1591 | 1.484 | -.9272 | -1.618 |
| #3 | -4.707 | -2.289 | .3390 | 1.122 | -.6491 | -1.796 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-110049-D-9-A@5 Acquired: 4/10/2016 20:16:42 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.005 | 2.050 | 1.966 | 1011. |
| Stddev | .471 | .138 | .325 | 21. |
| %RSD | 46.91 | 6.741 | 16.54 | 2.031 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | -1.005 | 2.179 | 1.695 | 988.9 |
| #2 | -1.476 | 2.068 | 1.876 | 1030. |
| #3 | -.5332 | 1.904 | 2.327 | 1013. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9602.7 | 65095. | 9877.1 |
| Stddev | 36.4 | 760. | 125.2 |
| %RSD | .37915 | 1.1677 | 1.2674 |

| | | | |
|----|--------|--------|--------|
| #1 | 9593.4 | 64719. | 9779.0 |
| #2 | 9642.9 | 65970. | 9834.3 |
| #3 | 9571.9 | 64596. | 10018. |

Sample Name: MB 460-361412/1-A Acquired: 4/10/2016 20:20:36 Type: QC

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.090 | -2.388 | .0474 | -.3862 | -.0354 | -22.71 |
| Stddev | 7.882 | .668 | .1564 | .1853 | .0343 | 5.44 |
| %RSD | 192.7 | 27.98 | 329.8 | 47.98 | 96.90 | 23.94 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -4.292 | -2.165 | .1167 | -.4319 | -.0256 | -20.68 |
| #2 | 5.210 | -3.140 | -.1316 | -.5445 | -.0071 | -28.87 |
| #3 | 11.35 | -1.860 | .1572 | -.1824 | -.0735 | -18.58 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1922 | -.2435 | -.4143 | -1.580 | -8.944 | -63.20 |
| Stddev | .0509 | .1200 | .4647 | .198 | 4.920 | 2.79 |
| %RSD | 26.46 | 49.28 | 112.2 | 12.52 | 55.01 | 4.413 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -.2262 | -.2009 | -.6114 | -1.591 | -4.995 | -66.28 |
| #2 | -.2166 | -.3790 | .1165 | -1.377 | -14.46 | -62.49 |
| #3 | -.1337 | -.1506 | -.7479 | -1.772 | -7.380 | -60.84 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361412/1-A Acquired: 4/10/2016 20:20:36 Type: QC

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -14.11 | -6145 | -65.27 | .1534 | .4956 | 1.000 |
| Stddev | 4.53 | .0199 | 5.27 | .3650 | 1.076 | .932 |
| %RSD | 32.11 | 3.240 | 8.074 | 237.9 | 217.2 | 93.23 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|-------|
| #1 | -18.66 | -.5916 | -70.96 | .2569 | 1.732 | .5793 |
| #2 | -14.06 | -.6243 | -60.56 | .4556 | -.0113 | 2.069 |
| #3 | -9.604 | -.6275 | -64.30 | -.2522 | -.2339 | .3523 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.460 | -1.1667 | -.0758 | .0077 | .1794 | -2.303 |
| Stddev | 1.321 | 1.183 | .1679 | .1139 | .3816 | .131 |
| %RSD | 38.19 | 709.3 | 221.6 | 1477. | 212.6 | 5.680 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -4.517 | 1.038 | -.0918 | .0519 | -.2380 | -2.445 |
| #2 | -1.979 | -1.326 | -.2350 | .0929 | .2661 | -2.275 |
| #3 | -3.885 | -.2119 | .0996 | -.1216 | .5103 | -2.188 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361412/1-A Acquired: 4/10/2016 20:20:36 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.808 | -.2629 | -2.346 | 44.96 |
| Stddev | .833 | .0701 | .191 | 15.29 |
| %RSD | 46.04 | 26.65 | 8.132 | 34.00 |

| | | | | |
|----|---------|--------|--------|-------|
| #1 | -1.8517 | -.3428 | -2.502 | 41.41 |
| #2 | -2.202 | -.2337 | -2.133 | 61.71 |
| #3 | -2.371 | -.2122 | -2.404 | 31.76 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9599.1 | 64566. | 9955.1 |
| Stddev | 40.6 | 313. | 104.2 |
| %RSD | .42263 | .48461 | 1.0463 |

| | | | |
|----|--------|--------|--------|
| #1 | 9553.6 | 64800. | 9897.9 |
| #2 | 9631.6 | 64211. | 9892.0 |
| #3 | 9612.1 | 64689. | 10075. |

Sample Name: LCS 460-361412/2-A Acquired: 4/10/2016 20:24:31 Type: QC

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1884. | 1923. | 47.91 | 1946. | 49.25 | 19480. |
| Stddev | 17. | 6. | .27 | 2. | .21 | 37. |
| %RSD | .8835 | .3101 | .5607 | .1063 | .4251 | .1923 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 1903. | 1930. | 48.12 | 1945. | 49.04 | 19480. |
| #2 | 1872. | 1922. | 48.01 | 1948. | 49.46 | 19440. |
| #3 | 1877. | 1918. | 47.61 | 1945. | 49.27 | 19510. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49.06 | 492.0 | 208.9 | 240.1 | 1010. | 17050. |
| Stddev | .11 | .6 | .7 | .2 | 10. | 15. |
| %RSD | .2237 | .1125 | .3307 | .0730 | .9476 | .0863 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 49.03 | 492.3 | 209.3 | 240.1 | 1006. | 17050. |
| #2 | 48.96 | 492.3 | 208.1 | 240.3 | 1004. | 17030. |
| #3 | 49.18 | 491.3 | 209.2 | 240.0 | 1022. | 17060. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: LCS 460-361412/2-A Acquired: 4/10/2016 20:24:31 Type: QC

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19360. | 512.9 | 19000. | 506.2 | 497.3 | 478.5 |
| Stddev | 34. | .3 | 21. | 1.4 | .3 | 1.1 |
| %RSD | .1730 | .0497 | .1082 | .2777 | .0516 | .2277 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 19380. | 512.8 | 18990. | 507.0 | 497.6 | 479.7 |
| #2 | 19370. | 512.8 | 19030. | 504.6 | 497.0 | 478.3 |
| #3 | 19320. | 513.2 | 19000. | 507.1 | 497.2 | 477.5 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1911. | 2022. | 503.8 | 504.8 | 494.1 | 467.8 |
| Stddev | 3. | 3. | 3.3 | 1.8 | 1.1 | .8 |
| %RSD | .1782 | .1522 | .6549 | .3549 | .2193 | .1752 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1914. | 2024. | 500.1 | 503.1 | 494.5 | 467.2 |
| #2 | 1907. | 2023. | 505.0 | 506.7 | 492.8 | 468.8 |
| #3 | 1911. | 2018. | 506.4 | 504.6 | 494.9 | 467.5 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: LCS 460-361412/2-A Acquired: 4/10/2016 20:24:31 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 491.9 | 470.2 | 503.8 | 72.37 |
| Stddev | 3.2 | .4 | 1.1 | 19.65 |
| %RSD | .6555 | .0801 | .2207 | 27.16 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 488.5 | 469.9 | 505.0 | 50.31 |
| #2 | 494.9 | 470.6 | 503.8 | 78.79 |
| #3 | 492.3 | 470.0 | 502.7 | 88.01 |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9514.4 | 64546. | 9974.9 |
| Stddev | 27.8 | 150. | 35.3 |
| %RSD | .29220 | .23244 | .35434 |

| | | | |
|----|--------|--------|--------|
| #1 | 9542.2 | 64391. | 9996.2 |
| #2 | 9486.6 | 64690. | 9994.3 |
| #3 | 9514.3 | 64557. | 9934.1 |

Sample Name: 460-111625-I-1-B Acquired: 4/10/2016 20:28:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.66 | -.8705 | .3160 | .9138 | -.0323 | 24.86 |
| Stddev | 6.86 | 3.023 | .4507 | .0923 | .1168 | 1.93 |
| %RSD | 54.13 | 347.2 | 142.6 | 10.10 | 361.4 | 7.758 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|-------|
| #1 | 6.206 | 1.655 | .6180 | 1.018 | .0206 | 24.58 |
| #2 | 19.86 | -4.220 | .5319 | .8807 | -.1662 | 23.08 |
| #3 | 11.93 | -.0463 | -.2020 | .8426 | .0487 | 26.91 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1132 | -.1417 | -.2637 | -1.467 | -4.897 | -34.27 |
| Stddev | .1058 | .1977 | .5616 | .499 | 9.610 | 10.11 |
| %RSD | 93.50 | 139.6 | 212.9 | 33.99 | 196.3 | 29.51 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -.1992 | .0300 | -.0133 | -2.041 | -7.769 | -23.05 |
| #2 | -.1452 | -.3578 | -.9070 | -1.218 | 5.822 | -37.06 |
| #3 | .0050 | -.0972 | .1291 | -1.143 | -12.74 | -42.69 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111625-I-1-B Acquired: 4/10/2016 20:28:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.246 | -.3761 | 13.28 | -.0608 | 1.320 | .7945 |
| Stddev | 4.917 | .1415 | 13.40 | .2577 | .615 | .6979 |
| %RSD | 53.18 | 37.63 | 100.9 | 424.0 | 46.57 | 87.84 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|--------|
| #1 | -14.70 | -.3165 | 17.55 | .0530 | 1.597 | 1.169 |
| #2 | -5.145 | -.2741 | 24.02 | .1204 | 1.749 | -.0107 |
| #3 | -7.896 | -.5377 | -1.734 | -.3558 | .6158 | 1.226 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5417 | -1.626 | -.2762 | 2.102 | 3.959 | -1.623 |
| Stddev | 1.951 | 1.344 | .3758 | .063 | .190 | .198 |
| %RSD | 360.1 | 82.68 | 136.0 | 3.000 | 4.794 | 12.22 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | -2.445 | -.1175 | -.0683 | 2.174 | 3.858 | -1.789 |
| #2 | -.6330 | -2.062 | -.0504 | 2.074 | 4.177 | -1.676 |
| #3 | 1.453 | -2.697 | -.7100 | 2.057 | 3.840 | -1.403 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111625-I-1-B Acquired: 4/10/2016 20:28:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0819 | -.0677 | -2.289 | 78.64 |
| Stddev | .3052 | .0626 | .192 | 5.92 |
| %RSD | 372.6 | 92.39 | 8.396 | 7.528 |

| | | | | |
|----|---------------|---------------|---------------|--------------|
| #1 | -.0406 | -.0798 | -2.490 | 73.17 |
| #2 | -.1430 | -.0000 | -2.270 | 77.83 |
| #3 | .4294 | -.1234 | -2.107 | 84.92 |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9602.5 | 64825. | 9970.3 |
| Stddev | 13.5 | 601. | 145.3 |
| %RSD | .14109 | .92696 | 1.4575 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9618.0 | 65514. | 10049. |
| #2 | 9595.8 | 64554. | 10059. |
| #3 | 9593.5 | 64407. | 9802.6 |

Sample Name: 460-111548-E-2-A Acquired: 4/10/2016 20:31:58 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.23 | -.3931 | .0512 | -.3885 | -.1585 | -19.86 |
| Stddev | 9.63 | 1.628 | .5299 | .1789 | .0854 | 3.95 |
| %RSD | 94.14 | 414.1 | 1036. | 46.03 | 53.89 | 19.91 |
| #1 | 1.044 | -2.118 | .4457 | -.2302 | -.0601 | -20.09 |
| #2 | 9.401 | 1.116 | .2589 | -.3528 | -.2017 | -15.80 |
| #3 | 20.26 | -.1769 | -.5512 | -.5826 | -.2137 | -23.69 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1850 | -.3397 | -.4711 | -1.130 | .6077 | -46.09 |
| Stddev | .0142 | .0826 | .3288 | .348 | 8.447 | 4.97 |
| %RSD | 7.678 | 24.32 | 69.80 | 30.79 | 1390. | 10.78 |
| #1 | -.1975 | -.3423 | -.0921 | -.7608 | -5.789 | -41.92 |
| #2 | -.1696 | -.2557 | -.6800 | -1.177 | 10.18 | -44.75 |
| #3 | -.1880 | -.4209 | -.6412 | -1.452 | -2.570 | -51.59 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111548-E-2-A Acquired: 4/10/2016 20:31:58 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.88 | -.5365 | -60.79 | -.3299 | .2579 | .2174 |
| Stddev | 1.66 | .0179 | 14.09 | .4988 | .9015 | .4336 |
| %RSD | 15.23 | 3.342 | 23.18 | 151.2 | 349.6 | 199.5 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -9.976 | -.5186 | -48.40 | .2365 | 1.268 | -.0045 |
| #2 | -12.79 | -.5544 | -76.12 | -.7035 | -.4642 | .7170 |
| #3 | -9.867 | -.5365 | -57.84 | -.5227 | -.0304 | -.0603 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.340 | -2.171 | -.1045 | .6958 | .7586 | -2.206 |
| Stddev | 3.402 | 1.833 | .2956 | .0611 | .1084 | .078 |
| %RSD | 78.39 | 84.43 | 282.8 | 8.786 | 14.29 | 3.517 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | -2.046 | -.2485 | -.0232 | .7412 | .8800 | -2.294 |
| #2 | -8.249 | -2.366 | .1419 | .6263 | .6715 | -2.176 |
| #3 | -2.725 | -3.900 | -.4322 | .7199 | .7243 | -2.148 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111548-E-2-A Acquired: 4/10/2016 20:31:58 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|----------------|----------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | - .8113 | - .2276 | -2.567 | 27.16 |
| Stddev | .1966 | .0441 | .161 | 8.11 |
| %RSD | 24.24 | 19.36 | 6.251 | 29.87 |

| | | | | |
|----|----------------|----------------|---------------|--------------|
| #1 | - .9234 | - .2722 | -2.640 | 35.57 |
| #2 | - .5843 | - .2266 | -2.383 | 26.52 |
| #3 | - .9263 | - .1841 | -2.678 | 19.38 |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9619.9 | 65008. | 9924.3 |
| Stddev | 41.5 | 482. | 91.3 |
| %RSD | .43166 | .74070 | .91998 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9595.3 | 65049. | 9884.3 |
| #2 | 9667.8 | 65467. | 9859.8 |
| #3 | 9596.5 | 64507. | 10029. |

Sample Name: 460-111548-E-6-A Acquired: 4/10/2016 20:35:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 31.25 | -1.190 | -.0457 | 178.9 | .0079 | 108300. |
| Stddev | 17.27 | 1.384 | .5020 | .9 | .0753 | 328. |
| %RSD | 55.27 | 116.2 | 1098. | .4990 | 959.6 | .3027 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|---------|
| #1 | 12.30 | -.1065 | -.5560 | 179.5 | -.0377 | 108700. |
| #2 | 35.33 | -2.749 | -.0286 | 179.3 | .0948 | 108000. |
| #3 | 46.12 | -.7159 | .4475 | 177.9 | -.0335 | 108300. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1909 | .1940 | -.9072 | -.8598 | 903.0 | 1050. |
| Stddev | .1126 | .0692 | .6074 | .1013 | 24.0 | 47. |
| %RSD | 59.00 | 35.68 | 66.95 | 11.78 | 2.657 | 4.461 |

| | | | | | | |
|----|--------|-------|--------|--------|-------|-------|
| #1 | -.2718 | .2530 | -.4986 | -.8993 | 881.3 | 1020. |
| #2 | -.0623 | .2111 | -.6179 | -.9354 | 898.9 | 1026. |
| #3 | -.2386 | .1178 | -1.605 | -.7448 | 928.8 | 1104. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111548-E-6-A Acquired: 4/10/2016 20:35:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21270. | 521.0 | 36790. | .7045 | -1.036 | .7985 |
| Stddev | 44. | 1.4 | 34. | .3256 | 1.049 | .5031 |
| %RSD | .2068 | .2638 | .0916 | 46.22 | 101.2 | 63.00 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|---------------|--------------|
| #1 | 21250. | 522.5 | 36760. | .7590 | .0256 | 1.379 |
| #2 | 21240. | 519.8 | 36780. | .9993 | -2.072 | .4974 |
| #3 | 21320. | 520.6 | 36830. | .3550 | -1.062 | .5189 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.896 | -2.833 | 1.381 | 1.145 | 46.93 | -2.030 |
| Stddev | .888 | 2.640 | .138 | .075 | .31 | .117 |
| %RSD | 30.66 | 93.20 | 9.965 | 6.527 | .6526 | 5.769 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|--------------|---------------|
| #1 | 3.921 | -.0452 | 1.372 | 1.137 | 46.78 | -1.902 |
| #2 | 2.414 | -3.158 | 1.248 | 1.074 | 47.29 | -2.056 |
| #3 | 2.354 | -5.296 | 1.523 | 1.223 | 46.74 | -2.132 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111548-E-6-A Acquired: 4/10/2016 20:35:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -2.031 | 1056. | .3184 | 7326. |
| Stddev | .623 | 1. | .2883 | 55. |
| %RSD | 30.69 | .0643 | 90.54 | .7499 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | -2.729 | 1056. | .1035 | 7266. |
| #2 | -1.533 | 1057. | .6460 | 7373. |
| #3 | -1.829 | 1056. | .2056 | 7339. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9314.0 | 63092. | 9922.0 |
| Stddev | 31.8 | 256. | 60.0 |
| %RSD | .34177 | .40585 | .60436 |

| | | | |
|----|--------|--------|--------|
| #1 | 9286.1 | 62799. | 9915.1 |
| #2 | 9307.3 | 63273. | 9985.1 |
| #3 | 9348.7 | 63204. | 9865.8 |

Sample Name: 460-111548-A-7-A Acquired: 4/10/2016 20:39:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.95 | 4.577 | 2.089 | 90.63 | .0381 | 81970. |
| Stddev | 4.88 | 1.820 | .834 | .16 | .1588 | 373. |
| %RSD | 20.36 | 39.76 | 39.92 | .1782 | 416.8 | .4544 |
| #1 | 20.90 | 3.079 | 1.170 | 90.75 | .2207 | 82400. |
| #2 | 29.58 | 4.049 | 2.797 | 90.45 | -.0386 | 81720. |
| #3 | 21.39 | 6.603 | 2.300 | 90.70 | -.0679 | 81800. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0319 | 18.54 | .9577 | .5695 | 9098. | 3258. |
| Stddev | .1498 | .23 | .5571 | .3493 | 129. | 46. |
| %RSD | 469.0 | 1.255 | 58.17 | 61.32 | 1.415 | 1.406 |
| #1 | -.1452 | 18.80 | 1.601 | .2165 | 8949. | 3227. |
| #2 | -.0885 | 18.34 | .6478 | .5773 | 9173. | 3237. |
| #3 | .1379 | 18.50 | .6244 | .9149 | 9172. | 3311. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111548-A-7-A Acquired: 4/10/2016 20:39:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 30640. | 7555. | 37100. | 15.25 | -2.380 | -.2241 |
| Stddev | 135. | 26. | 30. | .28 | 1.836 | 1.830 |
| %RSD | .4391 | .3405 | .0817 | 1.816 | 77.15 | 816.6 |
| #1 | 30800. | 7585. | 37110. | 15.51 | -2.830 | 1.860 |
| #2 | 30560. | 7542. | 37120. | 14.95 | -.3606 | -1.565 |
| #3 | 30570. | 7539. | 37060. | 15.28 | -3.949 | -.9679 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.835 | 4.831 | 14.74 | 6.591 | 44.73 | -1.199 |
| Stddev | 1.859 | 2.501 | .24 | .181 | .78 | .064 |
| %RSD | 48.46 | 51.76 | 1.623 | 2.749 | 1.747 | 5.326 |
| #1 | 5.653 | 3.280 | 14.54 | 6.643 | 43.83 | -1.142 |
| #2 | 3.914 | 3.497 | 14.68 | 6.390 | 45.26 | -1.268 |
| #3 | 1.939 | 7.716 | 15.00 | 6.741 | 45.09 | -1.186 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111548-A-7-A Acquired: 4/10/2016 20:39:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.8571 | 463.2 | .1842 | 10740. |
| Stddev | .2860 | .2 | .0636 | 130. |
| %RSD | 33.37 | .0343 | 34.53 | 1.205 |

| | | | | |
|----|---------------|--------------|--------------|---------------|
| #1 | -.6933 | 463.0 | .1131 | 10650. |
| #2 | -1.187 | 463.3 | .2040 | 10680. |
| #3 | -.6906 | 463.2 | .2356 | 10890. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9375.8 | 63633. | 9999.3 |
| Stddev | 20.1 | 322. | 36.2 |
| %RSD | .21452 | .50620 | .36199 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9353.3 | 63262. | 10036. |
| #2 | 9392.1 | 63842. | 9997.7 |
| #3 | 9382.0 | 63795. | 9963.9 |

Sample Name: 460-111548-A-9-A Acquired: 4/10/2016 20:43:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 39.18 | -2.989 | .2855 | 181.3 | -.0744 | 108900. |
| Stddev | 4.28 | 1.953 | .4847 | .2 | .1812 | 574. |
| %RSD | 10.92 | 65.33 | 169.7 | .1159 | 243.5 | .5268 |
| #1 | 37.67 | -2.147 | .7129 | 181.5 | .1246 | 109600. |
| #2 | 35.86 | -5.222 | -.2411 | 181.1 | -.1179 | 108700. |
| #3 | 44.01 | -1.599 | .3849 | 181.5 | -.2300 | 108500. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0636 | -.0450 | -.5237 | -.4109 | 1326. | 1124. |
| Stddev | .1186 | .1493 | .1096 | .1595 | 9. | 36. |
| %RSD | 186.5 | 331.3 | 20.93 | 38.82 | .6430 | 3.168 |
| #1 | -.1373 | -.0171 | -.5472 | -.3905 | 1320. | 1113. |
| #2 | .0732 | .0883 | -.6196 | -.5797 | 1336. | 1164. |
| #3 | -.1268 | -.2063 | -.4042 | -.2626 | 1322. | 1095. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111548-A-9-A Acquired: 4/10/2016 20:43:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21550. | 523.7 | 37440. | 1.076 | -.6889 | .0800 |
| Stddev | 110. | 1.7 | 70. | .150 | .5255 | 1.296 |
| %RSD | .5097 | .3219 | .1871 | 13.93 | 76.27 | 1620. |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|---------------|---------------|
| #1 | 21670. | 525.3 | 37360. | 1.173 | -.2154 | 1.563 |
| #2 | 21520. | 524.0 | 37470. | 1.153 | -.5972 | -.4884 |
| #3 | 21450. | 521.9 | 37490. | .9037 | -1.254 | -.8343 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1869 | -2.820 | 1.838 | 1.566 | 47.81 | -2.067 |
| Stddev | 1.640 | 2.156 | .221 | .101 | 1.12 | .077 |
| %RSD | 877.4 | 76.46 | 12.01 | 6.424 | 2.350 | 3.746 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|--------------|---------------|
| #1 | 1.588 | -5.212 | 2.093 | 1.569 | 46.61 | -2.054 |
| #2 | .5903 | -1.026 | 1.703 | 1.666 | 48.84 | -1.996 |
| #3 | -1.617 | -2.222 | 1.720 | 1.464 | 47.97 | -2.149 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111548-A-9-A Acquired: 4/10/2016 20:43:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.612 | 1074. | .5239 | 7482. |
| Stddev | .632 | 2. | .1425 | 62. |
| %RSD | 39.24 | .1523 | 27.20 | .8256 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | -1.255 | 1072. | .5317 | 7413. |
| #2 | -1.238 | 1074. | .6624 | 7499. |
| #3 | -2.342 | 1075. | .3777 | 7533. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9393.8 | 63739. | 10055. |
| Stddev | 4.2 | 345. | 69. |
| %RSD | .04419 | .54170 | .68312 |

| | | | |
|----|--------|--------|--------|
| #1 | 9394.3 | 63342. | 10088. |
| #2 | 9389.4 | 63911. | 9976.2 |
| #3 | 9397.7 | 63965. | 10102. |

Sample Name: 460-111474-A-7-A Acquired: 4/10/2016 20:47:19 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.713 | -1.650 | .1063 | -.2242 | -.1295 | -23.50 |
| Stddev | 7.930 | .375 | .1223 | .0658 | .1240 | 4.93 |
| %RSD | 213.6 | 22.74 | 115.1 | 29.35 | 95.76 | 20.96 |
| #1 | -5.406 | -1.229 | -.0156 | -.2975 | -.1452 | -18.49 |
| #2 | 8.996 | -1.951 | .2290 | -.1702 | -.2450 | -23.69 |
| #3 | 7.548 | -1.770 | .1054 | -.2049 | .0016 | -28.34 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1257 | -.3279 | -.5705 | -.6609 | -1.181 | -30.61 |
| Stddev | .0886 | .0604 | .2417 | .0447 | 9.476 | 10.24 |
| %RSD | 70.49 | 18.41 | 42.36 | 6.764 | 802.5 | 33.45 |
| #1 | -.1375 | -.3958 | -.3044 | -.6880 | -5.015 | -38.42 |
| #2 | -.0318 | -.2801 | -.6310 | -.6093 | -8.139 | -34.39 |
| #3 | -.2078 | -.3079 | -.7763 | -.6853 | 9.612 | -19.02 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111474-A-7-A Acquired: 4/10/2016 20:47:19 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.94 | -.4816 | -51.42 | .2184 | -.0736 | .2805 |
| Stddev | 4.07 | .0575 | 7.73 | .4944 | .2918 | 2.177 |
| %RSD | 37.22 | 11.94 | 15.04 | 226.4 | 396.7 | 776.4 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | -6.821 | -.4446 | -55.60 | .5793 | -.2619 | 2.794 |
| #2 | -14.97 | -.4523 | -56.17 | .4210 | -.2213 | -.9212 |
| #3 | -11.04 | -.5478 | -42.50 | -.3451 | .2626 | -1.031 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.558 | -1.836 | -.1031 | 1.795 | .1195 | -2.327 |
| Stddev | 2.485 | 1.223 | .4347 | .087 | .2392 | .275 |
| %RSD | 69.84 | 66.60 | 421.5 | 4.863 | 200.2 | 11.82 |

| | | | | | | |
|----|--------|--------|--------|-------|--------|--------|
| #1 | -3.200 | -.9956 | -.0056 | 1.891 | .1759 | -2.057 |
| #2 | -6.202 | -1.274 | -.5783 | 1.775 | .3254 | -2.318 |
| #3 | -1.271 | -3.239 | .2745 | 1.720 | -.1429 | -2.607 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111474-A-7-A Acquired: 4/10/2016 20:47:19 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.267 | -.1248 | -2.399 | 29.06 |
| Stddev | .102 | .1210 | .120 | 8.79 |
| %RSD | 8.046 | 96.98 | 5.019 | 30.24 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | -1.330 | -.0563 | -2.448 | 22.93 |
| #2 | -1.149 | -.2645 | -2.262 | 25.12 |
| #3 | -1.321 | -.0536 | -2.487 | 39.13 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9580.3 | 64335. | 9922.7 |
| Stddev | 30.8 | 469. | 53.6 |
| %RSD | .32154 | .72951 | .54010 |

| | | | |
|----|--------|--------|--------|
| #1 | 9572.3 | 64603. | 9978.1 |
| #2 | 9614.3 | 63793. | 9871.2 |
| #3 | 9554.3 | 64608. | 9918.6 |

Sample Name: 460-111639-E-3-B Acquired: 4/10/2016 20:51:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 47.19 | 14.93 | .2396 | 138.2 | -.0149 | 20750. |
| Stddev | 3.71 | 1.11 | .4140 | .7 | .1339 | 105. |
| %RSD | 7.862 | 7.406 | 172.8 | .4779 | 901.3 | .5074 |
| #1 | 46.22 | 16.19 | .3325 | 139.0 | -.0925 | 20870. |
| #2 | 44.07 | 14.11 | -.2130 | 137.9 | .1398 | 20730. |
| #3 | 51.29 | 14.49 | .5991 | 137.8 | -.0919 | 20660. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0359 | -.1807 | -.4998 | .5550 | 713.3 | 16550. |
| Stddev | .0150 | .1408 | .6168 | .3819 | 13.5 | 64. |
| %RSD | 41.75 | 77.90 | 123.4 | 68.80 | 1.891 | .3862 |
| #1 | -.0468 | -.1239 | -.8849 | .1713 | 726.8 | 16480. |
| #2 | -.0188 | -.0772 | .2116 | .5588 | 699.8 | 16610. |
| #3 | -.0422 | -.3410 | -.8261 | .9350 | 713.3 | 16570. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111639-E-3-B Acquired: 4/10/2016 20:51:14 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19850. | 34.11 | F 364100. | 1.886 | 3.091 | -.4095 |
| Stddev | 81. | .69 | 5038. | .614 | .767 | .5359 |
| %RSD | .4080 | 2.018 | 1.384 | 32.55 | 24.82 | 130.9 |

| | | | | | | |
|----|--------|-------|---------|-------|-------|--------|
| #1 | 19940. | 34.04 | 369600. | 2.441 | 3.738 | .1251 |
| #2 | 19840. | 33.46 | 363000. | 1.992 | 2.244 | -.4069 |
| #3 | 19780. | 34.83 | 359700. | 1.226 | 3.292 | -.9467 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 250000. | | | |
| Low Limit | | | -5000. | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6011 | -2.606 | .2310 | 8.952 | 77.38 | -2.139 |
| Stddev | .6559 | .988 | .5647 | .060 | .98 | .180 |
| %RSD | 109.1 | 37.89 | 244.5 | .6660 | 1.271 | 8.435 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | -1.187 | -3.449 | -.2546 | 8.978 | 77.64 | -2.267 |
| #2 | .1075 | -1.520 | .0968 | 8.884 | 78.21 | -1.933 |
| #3 | -.7235 | -2.850 | .8507 | 8.995 | 76.29 | -2.218 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111639-E-3-B Acquired: 4/10/2016 20:51:14 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .3160 | 194.6 | .7303 | 164.1 |
| Stddev | .5860 | .3 | .1701 | 11.4 |
| %RSD | 185.4 | .1507 | 23.29 | 6.928 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .0660 | 194.9 | .7277 | 175.3 |
| #2 | .9855 | 194.4 | .5614 | 164.5 |
| #3 | -.1036 | 194.4 | .9016 | 152.6 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9213.4 | 62542. | 10079. |
| Stddev | 20.2 | 295. | 72. |
| %RSD | .21953 | .47161 | .71368 |

| | | | |
|----|--------|--------|--------|
| #1 | 9199.6 | 62241. | 10003. |
| #2 | 9203.9 | 62554. | 10146. |
| #3 | 9236.6 | 62830. | 10090. |

Sample Name: 460-110623-C-8-A@4 Acquired: 4/11/2016 20:24:17 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10430. | 3.437 | -.2479 | 43.07 | .3067 | 5131. |
| Stddev | 86. | .560 | .3688 | .14 | .0835 | 35. |
| %RSD | .8286 | 16.30 | 148.8 | .3265 | 27.21 | .6878 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 10340. | 2.816 | -.6737 | 42.97 | .2623 | 5090. |
| #2 | 10470. | 3.904 | -.0385 | 43.23 | .4030 | 5152. |
| #3 | 10490. | 3.593 | -.0314 | 43.01 | .2549 | 5150. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .4215 | .4477 | 10.19 | 12.63 | 3853. | 188.9 |
| Stddev | .0391 | .1703 | .35 | .33 | 51. | 6.5 |
| %RSD | 9.270 | 38.05 | 3.418 | 2.636 | 1.313 | 3.426 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .4005 | .3275 | 9.870 | 12.25 | 3796. | 195.9 |
| #2 | .3974 | .3729 | 10.15 | 12.73 | 3876. | 187.6 |
| #3 | .4666 | .6426 | 10.56 | 12.90 | 3889. | 183.1 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-8-A@4 Acquired: 4/11/2016 20:24:17 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 860.4 | 299.5 | 278.5 | 5.031 | 146.4 | -1.503 |
| Stddev | 13.6 | 1.6 | 5.0 | .170 | 2.2 | 1.777 |
| %RSD | 1.585 | .5505 | 1.796 | 3.374 | 1.474 | 118.3 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 845.9 | 297.6 | 272.9 | 5.163 | 144.2 | .5021 |
| #2 | 862.5 | 300.3 | 282.6 | 5.090 | 146.6 | -2.885 |
| #3 | 872.9 | 300.5 | 279.9 | 4.839 | 148.5 | -2.125 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.235 | -2.658 | 21.27 | 114.1 | 4.881 | -.0886 |
| Stddev | .748 | .301 | .55 | 1.3 | .298 | .1836 |
| %RSD | 23.12 | 11.33 | 2.565 | 1.106 | 6.102 | 207.3 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | 4.098 | -2.873 | 20.68 | 112.6 | 4.855 | .0477 |
| #2 | 2.834 | -2.314 | 21.37 | 114.5 | 5.191 | -.2974 |
| #3 | 2.773 | -2.787 | 21.76 | 115.0 | 4.597 | -.0160 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-8-A@4 Acquired: 4/11/2016 20:24:17 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.901 | 63.30 | 169.2 | 724.2 |
| Stddev | .909 | .62 | 3.3 | 29.8 |
| %RSD | 47.81 | .9860 | 1.966 | 4.115 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 1.248 | 62.61 | 165.5 | 690.6 |
| #2 | 2.939 | 63.47 | 170.3 | 734.4 |
| #3 | 1.516 | 63.82 | 171.9 | 747.5 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9031.7 | 63296. | 9614.6 |
| Stddev | 41.3 | 387. | 216.8 |
| %RSD | .45746 | .61088 | 2.2554 |

| | | | |
|----|--------|--------|--------|
| #1 | 8984.5 | 62986. | 9370.3 |
| #2 | 9048.9 | 63172. | 9689.4 |
| #3 | 9061.6 | 63729. | 9784.2 |

Sample Name: 460-110623-C-8-A@20 Acquired: 4/11/2016 20:28:02 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2090. | -5064 | -5928 | 8.467 | .0655 | 1024. |
| Stddev | 10. | 1.348 | .5970 | .037 | .0742 | 13. |
| %RSD | .4787 | 266.1 | 100.7 | .4319 | 113.3 | 1.261 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|-------|
| #1 | 2096. | -1.118 | -.7439 | 8.497 | -.0187 | 1012. |
| #2 | 2097. | -1.440 | .0652 | 8.426 | .0937 | 1037. |
| #3 | 2079. | 1.038 | -1.100 | 8.479 | .1215 | 1023. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1428 | -.1689 | 1.951 | 4.533 | 782.2 | 33.71 |
| Stddev | .0408 | .1722 | .189 | .198 | 7.9 | 26.48 |
| %RSD | 28.55 | 101.9 | 9.674 | 4.372 | 1.011 | 78.56 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | .1687 | -.1647 | 1.842 | 4.316 | 787.1 | 27.45 |
| #2 | .0958 | .0012 | 1.842 | 4.705 | 773.1 | 62.77 |
| #3 | .1639 | -.3431 | 2.169 | 4.578 | 786.5 | 10.93 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-8-A@20 Acquired: 4/11/2016 20:28:02 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 175.2 | 62.66 | 61.77 | .9965 | 28.05 | -.2321 |
| Stddev | 5.8 | .56 | 6.88 | .3934 | .96 | 1.086 |
| %RSD | 3.331 | .8904 | 11.14 | 39.48 | 3.421 | 467.9 |
| #1 | 168.7 | 62.02 | 58.76 | .9089 | 27.13 | -1.378 |
| #2 | 176.9 | 63.07 | 56.90 | .6543 | 29.05 | -.1002 |
| #3 | 180.0 | 62.88 | 69.63 | 1.426 | 27.98 | .7818 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.067 | .4973 | 4.149 | 22.87 | 1.496 | -.3918 |
| Stddev | .827 | 1.497 | .138 | .12 | .226 | .2211 |
| %RSD | 39.99 | 301.0 | 3.334 | .5187 | 15.07 | 56.44 |
| #1 | 3.016 | 2.118 | 4.114 | 22.78 | 1.755 | -.1366 |
| #2 | 1.503 | .2071 | 4.031 | 22.82 | 1.343 | -.5117 |
| #3 | 1.683 | -.8334 | 4.301 | 23.00 | 1.390 | -.5270 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-8-A@20 Acquired: 4/11/2016 20:28:02 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0707 | 12.80 | 33.04 | 141.1 |
| Stddev | .1308 | .05 | .10 | 13.0 |
| %RSD | 184.9 | .3685 | .2885 | 9.225 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.1603 | 12.79 | 33.05 | 126.8 |
| #2 | .0793 | 12.85 | 32.95 | 152.2 |
| #3 | -.1312 | 12.75 | 33.14 | 144.4 |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9005.1 | 63005. | 9505.9 |
| Stddev | 12.2 | 205. | 75.6 |
| %RSD | .13522 | .32515 | .79496 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9018.4 | 63235. | 9576.9 |
| #2 | 9002.3 | 62843. | 9514.3 |
| #3 | 8994.5 | 62936. | 9426.5 |

Sample Name: 460-110623-C-10-A@4 Acquired: 4/11/2016 20:39:35 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10870. | 1.139 | -.4243 | 24.14 | .3922 | 2765. |
| Stddev | 74. | 1.965 | .3077 | .21 | .0393 | 22. |
| %RSD | .6812 | 172.6 | 72.52 | .8857 | 10.02 | .7887 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | 10790. | .8288 | -.3300 | 23.95 | .3473 | 2741. |
| #2 | 10890. | -.6531 | -.7682 | 24.37 | .4205 | 2768. |
| #3 | 10930. | 3.240 | -.1748 | 24.09 | .4089 | 2784. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1742 | .1754 | 10.30 | 6.271 | 2273. | 120.4 |
| Stddev | .1095 | .1840 | .32 | .352 | 20. | 10.3 |
| %RSD | 62.86 | 104.9 | 3.136 | 5.608 | .9008 | 8.535 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | .2960 | .3344 | 10.00 | 5.869 | 2249. | 118.8 |
| #2 | .0840 | -.0261 | 10.64 | 6.423 | 2282. | 111.0 |
| #3 | .1426 | .2181 | 10.25 | 6.521 | 2287. | 131.3 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-10-A@4 Acquired: 4/11/2016 20:39:35 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 573.1 | 60.80 | 248.3 | 3.622 | 56.41 | -2.140 |
| Stddev | 8.2 | .60 | 8.7 | .499 | 2.11 | 1.081 |
| %RSD | 1.439 | .9845 | 3.520 | 13.77 | 3.743 | 50.53 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 573.3 | 60.16 | 238.5 | 4.183 | 54.17 | -3.087 |
| #2 | 564.8 | 60.88 | 255.3 | 3.453 | 58.37 | -.9615 |
| #3 | 581.3 | 61.35 | 251.2 | 3.229 | 56.68 | -2.371 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.725 | -3.623 | 10.48 | 14.13 | 3.538 | -.3331 |
| Stddev | 3.192 | .118 | .22 | .39 | .117 | .2548 |
| %RSD | 85.70 | 3.261 | 2.090 | 2.776 | 3.315 | 76.48 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | 3.422 | -3.732 | 10.25 | 13.85 | 3.603 | -.3772 |
| #2 | 7.057 | -3.497 | 10.69 | 13.97 | 3.607 | -.0592 |
| #3 | .6947 | -3.640 | 10.50 | 14.58 | 3.402 | -.5630 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-10-A@4 Acquired: 4/11/2016 20:39:35 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.527 | 32.27 | 137.4 | 565.7 |
| Stddev | .106 | .08 | 1.7 | 16.3 |
| %RSD | 6.923 | .2600 | 1.215 | 2.884 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 1.453 | 32.21 | 135.9 | 547.1 |
| #2 | 1.648 | 32.24 | 137.2 | 572.3 |
| #3 | 1.481 | 32.37 | 139.2 | 577.7 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9011.3 | 63581. | 9659.6 |
| Stddev | 13.8 | 104. | 11.7 |
| %RSD | .15343 | .16407 | .12135 |

| | | | |
|----|--------|--------|--------|
| #1 | 9026.9 | 63502. | 9646.7 |
| #2 | 9006.4 | 63699. | 9662.4 |
| #3 | 9000.6 | 63542. | 9669.7 |

Sample Name: 460-110623-C-12-B@4 Acquired: 4/11/2016 20:51:06 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18490. | .2573 | -.3594 | 24.34 | .2999 | 1361. |
| Stddev | 101. | .8515 | .1175 | .07 | .2161 | 18. |
| %RSD | .5479 | 330.9 | 32.69 | .3071 | 72.05 | 1.354 |

| | | | | | | |
|----|---------------|---------------|---------------|--------------|--------------|--------------|
| #1 | 18380. | -.4351 | -.3120 | 24.27 | .2318 | 1340. |
| #2 | 18540. | -.0011 | -.2731 | 24.33 | .5418 | 1366. |
| #3 | 18560. | 1.208 | -.4932 | 24.42 | .1261 | 1376. |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0862 | .4943 | 14.31 | 7.740 | 2250. | 242.9 |
| Stddev | .1002 | .1229 | .22 | .315 | 18. | 9.5 |
| %RSD | 116.2 | 24.87 | 1.538 | 4.068 | .7906 | 3.921 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | .1973 | .4769 | 14.16 | 7.392 | 2229. | 245.4 |
| #2 | .0589 | .6250 | 14.57 | 8.004 | 2261. | 232.4 |
| #3 | .0025 | .3809 | 14.21 | 7.825 | 2259. | 250.9 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-12-B@4 Acquired: 4/11/2016 20:51:06 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 636.3 | 41.59 | 203.9 | 4.848 | 60.32 | -2.339 |
| Stddev | 11.9 | .47 | 1.9 | .324 | .28 | 1.762 |
| %RSD | 1.867 | 1.134 | .9420 | 6.690 | .4686 | 75.34 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 622.6 | 41.07 | 204.9 | 5.212 | 60.13 | -3.932 |
| #2 | 642.4 | 41.73 | 205.1 | 4.744 | 60.65 | -2.637 |
| #3 | 643.8 | 41.98 | 201.7 | 4.589 | 60.19 | -.4465 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.346 | -1.326 | 15.53 | 15.28 | 2.514 | -.3111 |
| Stddev | 2.375 | .021 | .56 | .11 | .094 | .1623 |
| %RSD | 54.65 | 1.583 | 3.595 | .7153 | 3.736 | 52.17 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | 5.388 | -1.302 | 14.92 | 15.17 | 2.418 | -.4307 |
| #2 | 6.022 | -1.338 | 16.02 | 15.39 | 2.520 | -.1263 |
| #3 | 1.628 | -1.338 | 15.65 | 15.30 | 2.606 | -.3763 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-12-B@4 Acquired: 4/11/2016 20:51:06 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.368 | 16.59 | 165.2 | 948.2 |
| Stddev | 1.037 | .17 | 2.2 | 135.4 |
| %RSD | 75.78 | 1.046 | 1.303 | 14.28 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.147 | 16.51 | 162.9 | 1104. |
| #2 | 1.766 | 16.46 | 165.5 | 864.6 |
| #3 | .1913 | 16.78 | 167.2 | 875.6 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9036.7 | 63279. | 9702.3 |
| Stddev | 6.0 | 143. | 77.7 |
| %RSD | .06599 | .22671 | .80087 |

| | | | |
|----|--------|--------|--------|
| #1 | 9029.9 | 63115. | 9622.4 |
| #2 | 9041.0 | 63382. | 9777.6 |
| #3 | 9039.4 | 63340. | 9706.8 |

Sample Name: 460-110623-C-9-A@4 Acquired: 4/11/2016 20:31:53 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10260. | .6232 | -.0246 | 23.86 | .3388 | 2489. |
| Stddev | 107. | 2.077 | .1897 | .40 | .0103 | 29. |
| %RSD | 1.040 | 333.3 | 772.1 | 1.667 | 3.026 | 1.179 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | 10150. | -.7849 | .0741 | 23.54 | .3433 | 2457. |
| #2 | 10250. | 3.009 | -.2433 | 23.73 | .3460 | 2497. |
| #3 | 10370. | -.3543 | .0955 | 24.30 | .3271 | 2514. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2226 | .2411 | 10.39 | 7.991 | 1704. | 195.5 |
| Stddev | .0386 | .1223 | .13 | .379 | 11. | 9.9 |
| %RSD | 17.35 | 50.72 | 1.282 | 4.740 | .6386 | 5.044 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .2359 | .1394 | 10.55 | 7.698 | 1692. | 187.5 |
| #2 | .1791 | .2072 | 10.31 | 7.857 | 1712. | 192.5 |
| #3 | .2528 | .3768 | 10.32 | 8.419 | 1709. | 206.5 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-9-A@4 Acquired: 4/11/2016 20:31:53 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 575.5 | 57.15 | 222.8 | 3.960 | 93.44 | -1.192 |
| Stddev | 14.3 | 1.07 | 4.7 | .148 | 1.05 | 1.509 |
| %RSD | 2.479 | 1.868 | 2.128 | 3.737 | 1.125 | 126.6 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 564.9 | 56.06 | 220.1 | 4.117 | 92.50 | .4593 |
| #2 | 570.0 | 57.19 | 220.0 | 3.823 | 94.57 | -2.499 |
| #3 | 591.7 | 58.19 | 228.2 | 3.941 | 93.24 | -1.535 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.710 | -3.290 | 12.48 | 19.47 | 3.477 | -.2060 |
| Stddev | .866 | 2.846 | .09 | .32 | .458 | .1022 |
| %RSD | 50.62 | 86.49 | .7335 | 1.624 | 13.17 | 49.62 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | 2.366 | -1.930 | 12.47 | 19.16 | 3.525 | -.1087 |
| #2 | .7288 | -1.380 | 12.58 | 19.80 | 2.997 | -.1969 |
| #3 | 2.036 | -6.561 | 12.40 | 19.46 | 3.909 | -.3126 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-9-A@4 Acquired: 4/11/2016 20:31:53 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.766 | 27.41 | 141.4 | 738.7 |
| Stddev | .267 | .19 | 2.3 | 15.8 |
| %RSD | 15.11 | .6919 | 1.624 | 2.139 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 1.574 | 27.22 | 138.9 | 738.7 |
| #2 | 2.070 | 27.42 | 141.9 | 754.5 |
| #3 | 1.652 | 27.60 | 143.4 | 722.9 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9095.0 | 64311. | 9857.0 |
| Stddev | 16.4 | 120. | 57.3 |
| %RSD | .18073 | .18645 | .58160 |

| | | | |
|----|--------|--------|--------|
| #1 | 9085.2 | 64208. | 9793.1 |
| #2 | 9114.0 | 64443. | 9873.8 |
| #3 | 9085.8 | 64283. | 9904.0 |

Sample Name: 460-110623-C-11-A@4 Acquired: 4/11/2016 20:47:17 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20560. | .6909 | -.7126 | 30.65 | .1346 | 1520. |
| Stddev | 58. | 1.019 | .2395 | .20 | .1557 | 6. |
| %RSD | .2810 | 147.5 | 33.61 | .6499 | 115.7 | .3809 |

| | | | | | | |
|----|--------|--------|--------|-------|--------|-------|
| #1 | 20530. | 1.777 | -.9758 | 30.61 | .1266 | 1526. |
| #2 | 20630. | -.2456 | -.6546 | 30.86 | .2941 | 1514. |
| #3 | 20540. | .5415 | -.5075 | 30.47 | -.0169 | 1520. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0609 | .5975 | 16.21 | 7.334 | 2881. | 316.7 |
| Stddev | .0875 | .0235 | .29 | .389 | 17. | 33.2 |
| %RSD | 143.6 | 3.935 | 1.800 | 5.303 | .6032 | 10.48 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | .1188 | .6062 | 16.47 | 6.953 | 2874. | 311.6 |
| #2 | .1037 | .5709 | 16.26 | 7.730 | 2867. | 352.1 |
| #3 | -.0397 | .6154 | 15.90 | 7.320 | 2900. | 286.3 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-11-A@4 Acquired: 4/11/2016 20:47:17 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 783.6 | 64.99 | 195.9 | 5.505 | 45.47 | -1.848 |
| Stddev | 7.1 | .45 | 6.4 | .368 | .55 | .833 |
| %RSD | .9069 | .6871 | 3.287 | 6.687 | 1.212 | 45.09 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 783.0 | 64.81 | 188.4 | 5.191 | 45.40 | -.9062 |
| #2 | 776.9 | 64.66 | 199.2 | 5.911 | 46.05 | -2.147 |
| #3 | 791.0 | 65.50 | 200.0 | 5.414 | 44.95 | -2.490 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .4592 | -1.321 | 18.87 | 17.34 | 2.741 | -.1896 |
| Stddev | 2.698 | 2.905 | .25 | .16 | .157 | .0847 |
| %RSD | 587.5 | 219.8 | 1.300 | .9368 | 5.717 | 44.64 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | -2.399 | 1.794 | 18.59 | 17.39 | 2.711 | -.1285 |
| #2 | .8162 | -1.802 | 19.01 | 17.47 | 2.910 | -.1542 |
| #3 | 2.961 | -3.955 | 19.02 | 17.16 | 2.601 | -.2862 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-11-A@4 Acquired: 4/11/2016 20:47:17 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.916 | 18.57 | 194.0 | 930.1 |
| Stddev | .250 | .05 | 1.8 | 10.1 |
| %RSD | 13.07 | .2630 | .9496 | 1.083 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.202 | 18.54 | 192.7 | 936.6 |
| #2 | 1.809 | 18.62 | 193.2 | 918.5 |
| #3 | 1.736 | 18.54 | 196.1 | 935.3 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9025.3 | 63391. | 9650.5 |
| Stddev | 9.9 | 127. | 34.5 |
| %RSD | .10926 | .19974 | .35799 |

| | | | |
|----|--------|--------|--------|
| #1 | 9020.4 | 63351. | 9690.4 |
| #2 | 9018.8 | 63533. | 9629.2 |
| #3 | 9036.6 | 63289. | 9631.9 |

Sample Name: 460-110623-C-13-A@4 Acquired: 4/11/2016 20:54:56 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9726. | 4.681 | -.0995 | 35.09 | .2634 | 4091. |
| Stddev | 209. | .879 | .3226 | .85 | .1663 | 100. |
| %RSD | 2.144 | 18.78 | 324.3 | 2.423 | 63.12 | 2.451 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|-------|
| #1 | 9539. | 3.686 | .0157 | 34.41 | .2830 | 3998. |
| #2 | 9688. | 5.003 | .1497 | 34.82 | .0882 | 4078. |
| #3 | 9951. | 5.354 | -.4639 | 36.05 | .4190 | 4197. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .4203 | .6045 | 11.32 | 23.25 | 4234. | 287.1 |
| Stddev | .0904 | .1704 | .31 | .30 | 125. | 14.3 |
| %RSD | 21.51 | 28.19 | 2.764 | 1.271 | 2.952 | 4.987 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .3557 | .4565 | 11.12 | 23.31 | 4107. | 275.4 |
| #2 | .5237 | .5661 | 11.15 | 22.93 | 4238. | 282.7 |
| #3 | .3816 | .7908 | 11.68 | 23.51 | 4357. | 303.1 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-13-A@4 Acquired: 4/11/2016 20:54:56 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 802.8 | 96.31 | 291.4 | 7.039 | 311.0 | -.4337 |
| Stddev | 31.5 | 3.24 | 9.4 | .186 | 10.2 | .5030 |
| %RSD | 3.922 | 3.368 | 3.214 | 2.647 | 3.266 | 116.0 |
| #1 | 772.7 | 93.08 | 282.4 | 7.233 | 300.8 | .0427 |
| #2 | 800.3 | 96.29 | 290.8 | 7.023 | 311.1 | -.9596 |
| #3 | 835.5 | 99.57 | 301.1 | 6.862 | 321.1 | -.3842 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.077 | -1.699 | 21.15 | 38.18 | 5.340 | .5523 |
| Stddev | .524 | 2.990 | .80 | .88 | .079 | .2078 |
| %RSD | 25.22 | 176.0 | 3.773 | 2.310 | 1.474 | 37.62 |
| #1 | 1.758 | -5.118 | 20.34 | 37.37 | 5.367 | .6296 |
| #2 | 1.791 | -.4110 | 21.16 | 38.06 | 5.251 | .3169 |
| #3 | 2.681 | .4311 | 21.94 | 39.12 | 5.402 | .7103 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-13-A@4 Acquired: 4/11/2016 20:54:56 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3.753 | 45.95 | 194.1 | 776.9 |
| Stddev | .424 | .97 | 6.3 | 16.5 |
| %RSD | 11.31 | 2.105 | 3.233 | 2.125 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.069 | 45.08 | 187.8 | 771.5 |
| #2 | 3.919 | 45.77 | 194.2 | 763.8 |
| #3 | 3.270 | 46.99 | 200.3 | 795.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8956.8 | 63272. | 9616.0 |
| Stddev | 6.3 | 37. | 76.2 |
| %RSD | .07057 | .05801 | .79244 |

| | | | |
|----|--------|--------|--------|
| #1 | 8952.5 | 63276. | 9700.9 |
| #2 | 8953.7 | 63306. | 9593.6 |
| #3 | 8964.0 | 63233. | 9553.4 |

Sample Name: 460-110623-C-13-A@20 Acquired: 4/11/2016 20:58:45 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1855. | -.4958 | -.2379 | 6.386 | .1288 | 760.4 |
| Stddev | 6. | .3400 | .2855 | .234 | .1667 | 9.3 |
| %RSD | .3268 | 68.58 | 120.0 | 3.665 | 129.4 | 1.223 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|-------|
| #1 | 1861. | -.4912 | -.5624 | 6.192 | -.0087 | 750.4 |
| #2 | 1849. | -.8380 | -.1260 | 6.646 | .3141 | 768.9 |
| #3 | 1855. | -.1581 | -.0252 | 6.320 | .0810 | 761.9 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0784 | -.0332 | 1.935 | 5.519 | 811.0 | 33.96 |
| Stddev | .1116 | .1427 | .160 | .086 | 1.1 | 12.21 |
| %RSD | 142.4 | 430.2 | 8.257 | 1.554 | .1305 | 35.96 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | .0290 | -.1648 | 1.991 | 5.612 | 809.8 | 25.90 |
| #2 | -.0000 | -.0533 | 2.059 | 5.442 | 811.8 | 27.97 |
| #3 | .2062 | .1185 | 1.755 | 5.503 | 811.3 | 48.01 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-13-A@20 Acquired: 4/11/2016 20:58:45 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 150.9 | 18.46 | 56.47 | 1.532 | 56.91 | -1.121 |
| Stddev | 3.4 | .14 | 9.37 | .230 | .52 | .399 |
| %RSD | 2.275 | .7483 | 16.60 | 14.97 | .9164 | 35.63 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 147.7 | 18.30 | 63.40 | 1.326 | 56.33 | -.9655 |
| #2 | 150.5 | 18.51 | 45.81 | 1.491 | 57.07 | -1.575 |
| #3 | 154.5 | 18.55 | 60.20 | 1.780 | 57.33 | -.8225 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.777 | -2.071 | 3.941 | 7.172 | 1.307 | -.5180 |
| Stddev | .539 | .153 | .232 | .136 | .379 | .2064 |
| %RSD | 19.42 | 7.375 | 5.875 | 1.902 | 29.02 | 39.84 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | 3.398 | -1.929 | 4.161 | 7.031 | 1.597 | -.3211 |
| #2 | 2.501 | -2.051 | 3.961 | 7.303 | .8777 | -.5002 |
| #3 | 2.431 | -2.233 | 3.700 | 7.181 | 1.448 | -.7327 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-13-A@20 Acquired: 4/11/2016 20:58:45 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .7385 | 8.797 | 36.21 | 135.6 |
| Stddev | .3655 | .029 | .30 | 13.8 |
| %RSD | 49.49 | .3260 | .8213 | 10.16 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .6331 | 8.781 | 35.86 | 140.5 |
| #2 | .4373 | 8.780 | 36.37 | 120.1 |
| #3 | 1.145 | 8.830 | 36.38 | 146.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8978.9 | 62453. | 9402.8 |
| Stddev | 5.6 | 104. | 67.0 |
| %RSD | .06277 | .16601 | .71232 |

| | | | |
|----|--------|--------|--------|
| #1 | 8972.5 | 62443. | 9480.1 |
| #2 | 8983.0 | 62355. | 9361.1 |
| #3 | 8981.3 | 62561. | 9367.3 |

Sample Name: CCV Acquired: 4/11/2016 21:02:39 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121100. | 2414. | 1185. | 9896. | 982.6 | 118700. |
| Stddev | 141. | 5. | 3. | 20. | 1.4 | 366. |
| %RSD | .1160 | .1867 | .2184 | .2022 | .1430 | .3082 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 121200. | 2419. | 1186. | 9909. | 982.6 | 118700. |
| #2 | 121100. | 2413. | 1186. | 9906. | 984.0 | 119100. |
| #3 | 121000. | 2410. | 1182. | 9873. | 981.2 | 118400. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1216. | 2427. | 4806. | 12000. | 96180. | 48630. |
| Stddev | 4. | 6. | 16. | 13. | 256. | 44. |
| %RSD | .3028 | .2567 | .3301 | .1096 | .2657 | .0907 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1219. | 2431. | 4805. | 12020. | 96190. | 48610. |
| #2 | 1217. | 2431. | 4822. | 12000. | 96430. | 48680. |
| #3 | 1212. | 2420. | 4791. | 12000. | 95920. | 48600. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 21:02:39 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 120400. | 4953. | 123400. | 2450. | 7307. | 964.0 |
| Stddev | 328. | 11. | 341. | 9. | 18. | 2.5 |
| %RSD | .2721 | .2137 | .2763 | .3563 | .2505 | .2608 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 120300. | 4956. | 123700. | 2456. | 7321. | 964.5 |
| #2 | 120800. | 4961. | 123400. | 2453. | 7314. | 966.1 |
| #3 | 120100. | 4941. | 123000. | 2440. | 7287. | 961.2 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2373. | 2440. | 2396. | 2442. | 956.1 | 2356. |
| Stddev | 11. | 14. | 6. | 10. | 1.9 | 7. |
| %RSD | .4433 | .5731 | .2337 | .4286 | .1967 | .2774 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2385. | 2453. | 2399. | 2448. | 958.0 | 2355. |
| #2 | 2364. | 2441. | 2399. | 2447. | 956.1 | 2363. |
| #3 | 2371. | 2425. | 2389. | 2430. | 954.2 | 2350. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 21:02:39 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 961.4 | 4934. | 9836. | 9491. |
| Stddev | 2.8 | 10. | 14. | 52. |
| %RSD | .2938 | .2076 | .1378 | .5489 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 964.5 | 4945. | 9845. | 9489. |
| #2 | 961.0 | 4932. | 9842. | 9545. |
| #3 | 958.8 | 4924. | 9820. | 9441. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8401.0 | 58800. | 8948.0 |
| Stddev | 38.3 | 333. | 7.9 |
| %RSD | .45543 | .56662 | .08785 |

| | | | |
|----|--------|--------|--------|
| #1 | 8365.1 | 58583. | 8947.5 |
| #2 | 8396.5 | 58634. | 8940.4 |
| #3 | 8441.3 | 59184. | 8956.1 |

Sample Name: CCB Acquired: 4/11/2016 21:06:06 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.036 | .1448 | -.2446 | .1991 | -.0735 | -21.42 |
| Stddev | 12.00 | 1.234 | .0778 | .0935 | .1509 | 7.06 |
| %RSD | 297.4 | 852.4 | 31.82 | 46.97 | 205.4 | 32.97 |

| | | | | | | |
|----|--------|--------|--------|-------|--------|--------|
| #1 | 8.935 | 1.238 | -.2597 | .1803 | -.0392 | -13.69 |
| #2 | -6.299 | .3899 | -.3137 | .3006 | .0573 | -27.53 |
| #3 | -14.74 | -1.194 | -.1603 | .1164 | -.2385 | -23.05 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0167 | -.0219 | .2221 | 1.755 | 9.132 | 21.74 |
| Stddev | .0204 | .1058 | .4301 | .203 | 5.588 | 20.32 |
| %RSD | 122.5 | 483.5 | 193.6 | 11.58 | 61.19 | 93.47 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | -.0402 | -.0553 | .3738 | 1.709 | 6.341 | 30.17 |
| #2 | -.0044 | -.1070 | -.2633 | 1.977 | 5.489 | 36.48 |
| #3 | -.0053 | .0966 | .5558 | 1.578 | 15.57 | -1.439 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 21:06:06 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.043 | .0818 | 28.71 | -.3281 | .0770 | -1.145 |
| Stddev | 3.049 | .0449 | 6.35 | .2413 | .1364 | .588 |
| %RSD | 149.2 | 54.91 | 22.11 | 73.54 | 177.3 | 51.31 |

| | | | | | | |
|----|--------|-------|-------|--------|--------|--------|
| #1 | 1.490 | .0636 | 35.18 | -.5752 | .2320 | -1.567 |
| #2 | 5.330 | .1329 | 28.47 | -.3158 | -.0250 | -.4741 |
| #3 | -.6917 | .0489 | 22.49 | -.0932 | .0239 | -1.394 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0930 | -.9671 | -.0418 | -.1085 | 1.661 | .5655 |
| Stddev | 1.481 | 3.166 | .0760 | .0733 | .513 | .2020 |
| %RSD | 1593. | 327.4 | 181.8 | 67.55 | 30.91 | 35.72 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|-------|
| #1 | -.1576 | -.3034 | .0424 | -.1061 | 2.232 | .6783 |
| #2 | -1.247 | -4.412 | -.1055 | -.1829 | 1.516 | .3323 |
| #3 | 1.683 | 1.815 | -.0623 | -.0364 | 1.236 | .6858 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 21:06:06 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0505 | .1210 | .6400 | -10.41 |
| Stddev | .4309 | .0821 | .1478 | 24.91 |
| %RSD | 853.4 | 67.86 | 23.09 | 239.1 |

| | | | | |
|----|---------------|--------------|--------------|---------------|
| #1 | .5341 | .1570 | .5572 | -7.447 |
| #2 | -.2929 | .1790 | .5522 | -36.67 |
| #3 | -.0897 | .0270 | .8106 | 12.87 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9002.9 | 62196. | 9157.1 |
| Stddev | 15.7 | 89. | 66.0 |
| %RSD | .17399 | .14368 | .72089 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9000.1 | 62175. | 9094.1 |
| #2 | 8988.7 | 62119. | 9151.4 |
| #3 | 9019.7 | 62294. | 9225.7 |

Sample Name: 460-110623-C-14-A@4 Acquired: 4/11/2016 21:13:52 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10580. | .9116 | -.4123 | 15.40 | .2409 | 1133. |
| Stddev | 110. | 1.566 | .2827 | .09 | .0719 | 14. |
| %RSD | 1.044 | 171.7 | 68.57 | .5526 | 29.85 | 1.231 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | 10470. | 2.576 | -.4431 | 15.49 | .2503 | 1117. |
| #2 | 10570. | .6901 | -.1155 | 15.32 | .3077 | 1139. |
| #3 | 10690. | -.5315 | -.6784 | 15.39 | .1648 | 1142. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0286 | .1710 | 10.31 | 4.350 | 819.6 | 189.7 |
| Stddev | .0757 | .1406 | .29 | .416 | 11.2 | 8.8 |
| %RSD | 264.8 | 82.20 | 2.845 | 9.564 | 1.360 | 4.639 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | -.0010 | .0222 | 10.47 | 4.699 | 808.6 | 180.7 |
| #2 | .1146 | .3016 | 9.971 | 3.889 | 819.1 | 198.3 |
| #3 | -.0278 | .1893 | 10.49 | 4.461 | 830.9 | 190.1 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-14-A@4 Acquired: 4/11/2016 21:13:52 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 377.4 | 23.07 | 169.8 | 2.760 | 28.84 | -.8781 |
| Stddev | 4.7 | .29 | 3.0 | .383 | .79 | .7831 |
| %RSD | 1.237 | 1.250 | 1.777 | 13.89 | 2.725 | 89.18 |
| #1 | 372.5 | 22.73 | 167.9 | 2.671 | 29.51 | -.6287 |
| #2 | 378.1 | 23.23 | 168.2 | 3.180 | 27.98 | -1.756 |
| #3 | 381.7 | 23.23 | 173.3 | 2.430 | 29.03 | -.2500 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.840 | -3.977 | 7.768 | 7.498 | 2.988 | -.4914 |
| Stddev | 2.420 | 1.587 | .234 | .145 | .402 | .2985 |
| %RSD | 85.21 | 39.89 | 3.014 | 1.930 | 13.46 | 60.74 |
| #1 | 5.522 | -5.736 | 8.014 | 7.447 | 2.524 | -.7584 |
| #2 | .8225 | -3.542 | 7.741 | 7.385 | 3.239 | -.5465 |
| #3 | 2.174 | -2.654 | 7.549 | 7.661 | 3.201 | -.1692 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-14-A@4 Acquired: 4/11/2016 21:13:52 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.411 | 13.99 | 88.64 | 760.8 |
| Stddev | .098 | .18 | 1.43 | 22.7 |
| %RSD | 6.972 | 1.265 | 1.618 | 2.988 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 1.298 | 13.80 | 87.02 | 735.1 |
| #2 | 1.474 | 14.02 | 89.16 | 768.9 |
| #3 | 1.462 | 14.15 | 89.74 | 778.3 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9019.2 | 63195. | 9621.1 |
| Stddev | 21.3 | 266. | 166.1 |
| %RSD | .23641 | .42049 | 1.7264 |

| | | | |
|----|--------|--------|--------|
| #1 | 8997.0 | 62919. | 9430.4 |
| #2 | 9039.6 | 63217. | 9734.4 |
| #3 | 9021.0 | 63449. | 9698.4 |

Sample Name: 460-110623-C-15-B@4 Acquired: 4/11/2016 21:21:37 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10260. | 1.429 | -.1724 | 20.56 | .3080 | 1976. |
| Stddev | 37. | .597 | .2559 | .14 | .0691 | 2. |
| %RSD | .3612 | 41.74 | 148.5 | .6867 | 22.42 | .0857 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 10230. | 1.220 | -.4649 | 20.59 | .2833 | 1976. |
| #2 | 10260. | 2.102 | -.0630 | 20.68 | .3860 | 1974. |
| #3 | 10300. | .9653 | .0106 | 20.40 | .2547 | 1977. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1241 | .2291 | 9.668 | 8.751 | 1708. | 158.7 |
| Stddev | .0636 | .0377 | .074 | .243 | 1. | 30.1 |
| %RSD | 51.29 | 16.47 | .7626 | 2.778 | .0630 | 18.95 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .1956 | .2725 | 9.683 | 8.916 | 1709. | 124.1 |
| #2 | .0738 | .2111 | 9.732 | 8.864 | 1708. | 178.6 |
| #3 | .1028 | .2038 | 9.587 | 8.472 | 1707. | 173.3 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-15-B@4 Acquired: 4/11/2016 21:21:37 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 472.1 | 47.82 | 196.3 | 3.234 | 84.90 | -.8753 |
| Stddev | 1.9 | .36 | 6.2 | .507 | .68 | 1.029 |
| %RSD | .3948 | .7629 | 3.181 | 15.68 | .8044 | 117.6 |
| #1 | 470.0 | 47.41 | 189.9 | 2.689 | 84.83 | .1522 |
| #2 | 473.5 | 48.10 | 202.3 | 3.693 | 85.61 | -.8719 |
| #3 | 472.9 | 47.96 | 196.9 | 3.320 | 84.25 | -1.906 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.963 | -1.396 | 10.71 | 16.76 | 2.871 | -.2787 |
| Stddev | 1.422 | 3.614 | .29 | .12 | .392 | .2682 |
| %RSD | 35.89 | 258.9 | 2.739 | .6977 | 13.65 | 96.24 |
| #1 | 2.322 | -3.064 | 10.92 | 16.81 | 2.953 | -.4087 |
| #2 | 4.735 | 2.751 | 10.37 | 16.63 | 3.216 | -.4571 |
| #3 | 4.832 | -3.874 | 10.83 | 16.85 | 2.445 | .0297 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-15-B@4 Acquired: 4/11/2016 21:21:37 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.946 | 23.09 | 118.4 | 695.4 |
| Stddev | .404 | .01 | .8 | 7.8 |
| %RSD | 20.77 | .0554 | .6946 | 1.118 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.403 | 23.08 | 117.5 | 700.1 |
| #2 | 1.797 | 23.09 | 118.6 | 686.4 |
| #3 | 1.637 | 23.11 | 119.1 | 699.6 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9022.9 | 63355. | 9658.0 |
| Stddev | 7.9 | 154. | 34.0 |
| %RSD | .08716 | .24356 | .35219 |

| | | | |
|----|--------|--------|--------|
| #1 | 9014.0 | 63180. | 9660.1 |
| #2 | 9025.9 | 63474. | 9690.9 |
| #3 | 9028.8 | 63410. | 9623.0 |

Sample Name: 460-110868-A-19-C@4 Acquired: 4/11/2016 21:29:21 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 33530. | 116.2 | 241.4 | 732.0 | 4.404 | 24070. |
| Stddev | 217. | 2.4 | 1.9 | 4.8 | .109 | 211. |
| %RSD | .6458 | 2.033 | .7951 | .6516 | 2.483 | .8746 |
| #1 | 33280. | 113.8 | 239.6 | 726.9 | 4.278 | 23870. |
| #2 | 33600. | 116.3 | 241.2 | 732.9 | 4.471 | 24070. |
| #3 | 33700. | 118.6 | 243.4 | 736.3 | 4.463 | 24290. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.720 | 74.43 | 215.0 | 14650. | 135900. | 3543. |
| Stddev | .126 | .42 | 1.6 | 91. | 1049. | 43. |
| %RSD | 7.329 | .5638 | .7672 | .6232 | .7720 | 1.213 |
| #1 | 1.628 | 74.02 | 213.5 | 14570. | 134900. | 3506. |
| #2 | 1.864 | 74.41 | 214.6 | 14630. | 136000. | 3534. |
| #3 | 1.669 | 74.86 | 216.8 | 14750. | 137000. | 3590. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110868-A-19-C@4 Acquired: 4/11/2016 21:29:21 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9837. | 2830. | 722.0 | 1899. | 905.7 | 6.224 |
| Stddev | 89. | 22. | 7.5 | 11. | 7.1 | 1.797 |
| %RSD | .9002 | .7713 | 1.034 | .5642 | .7840 | 28.88 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 9755. | 2809. | 713.4 | 1889. | 897.7 | 4.524 |
| #2 | 9824. | 2829. | 726.4 | 1899. | 907.9 | 6.043 |
| #3 | 9931. | 2852. | 726.2 | 1910. | 911.4 | 8.105 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.083 | 6.015 | 106.7 | 1486. | 27.29 | 7.274 |
| Stddev | 3.265 | 1.050 | .6 | 9. | .45 | .344 |
| %RSD | 156.8 | 17.45 | .5621 | .6066 | 1.662 | 4.727 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | -.0680 | 5.399 | 106.0 | 1476. | 26.81 | 6.983 |
| #2 | 5.839 | 5.419 | 106.7 | 1488. | 27.35 | 7.186 |
| #3 | .4764 | 7.227 | 107.2 | 1494. | 27.71 | 7.653 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110868-A-19-C@4 Acquired: 4/11/2016 21:29:21 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 106.0 | 213.7 | 902.6 | 1268. |
| Stddev | .7 | 1.8 | 7.4 | 24. |
| %RSD | .6813 | .8215 | .8226 | 1.880 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 105.3 | 211.8 | 895.0 | 1260. |
| #2 | 106.8 | 214.0 | 902.9 | 1250. |
| #3 | 105.8 | 215.3 | 909.9 | 1295. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9007.1 | 63175. | 9685.7 |
| Stddev | 17.5 | 161. | 33.2 |
| %RSD | .19389 | .25543 | .34289 |

| | | | |
|----|--------|--------|--------|
| #1 | 8987.2 | 62991. | 9681.7 |
| #2 | 9019.9 | 63244. | 9654.7 |
| #3 | 9014.3 | 63291. | 9720.7 |

Sample Name: 460-111667-D-7-C MS Acquired: 4/11/2016 21:36:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 79320. | 873.9 | 20.09 | 1441. | 27.44 | 11480. |
| Stddev | 358. | 1.5 | .24 | 4. | .04 | 45. |
| %RSD | .4507 | .1731 | 1.202 | .3012 | .1385 | .3938 |
| #1 | 78910. | 875.6 | 20.28 | 1441. | 27.39 | 11430. |
| #2 | 79570. | 872.8 | 19.82 | 1445. | 27.45 | 11510. |
| #3 | 79490. | 873.2 | 20.17 | 1436. | 27.46 | 11500. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.22 | 264.6 | 151.8 | 115.5 | 71870. | 25520. |
| Stddev | .07 | 1.9 | 1.1 | 1.0 | 201. | 67. |
| %RSD | .3072 | .7299 | .7017 | .8364 | .2791 | .2611 |
| #1 | 22.28 | 266.7 | 151.5 | 116.5 | 71720. | 25440. |
| #2 | 22.22 | 263.9 | 153.0 | 115.3 | 72100. | 25550. |
| #3 | 22.15 | 263.0 | 151.0 | 114.6 | 71790. | 25560. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-7-C MS Acquired: 4/11/2016 21:36:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 35530. | 1871. | 10090. | 293.5 | 277.0 | 113.0 |
| Stddev | 86. | 4. | 45. | 3.3 | 1.6 | .4 |
| %RSD | .2408 | .2017 | .4505 | 1.128 | .5672 | .3956 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 35440. | 1867. | 10040. | 297.1 | 278.8 | 113.4 |
| #2 | 35610. | 1874. | 10110. | 293.1 | 275.7 | 113.2 |
| #3 | 35560. | 1873. | 10120. | 290.5 | 276.7 | 112.5 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 822.2 | 928.1 | 319.7 | 363.7 | 212.4 | 211.1 |
| Stddev | 4.0 | 1.8 | 1.2 | .2 | .2 | .7 |
| %RSD | .4912 | .1952 | .3867 | .0426 | .0994 | .3120 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 824.9 | 929.8 | 319.0 | 363.9 | 212.2 | 211.9 |
| #2 | 817.5 | 928.2 | 321.1 | 363.7 | 212.6 | 210.9 |
| #3 | 824.1 | 926.2 | 319.0 | 363.6 | 212.3 | 210.6 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-7-C MS Acquired: 4/11/2016 21:36:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 226.1 | 250.0 | 2283. | 2001. |
| Stddev | .2 | .5 | 3. | 26. |
| %RSD | .1061 | .1823 | .1165 | 1.304 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 226.4 | 249.5 | 2283. | 2030. |
| #2 | 226.0 | 250.2 | 2285. | 1993. |
| #3 | 226.0 | 250.3 | 2280. | 1979. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9012.4 | 62377. | 9412.0 |
| Stddev | 33.9 | 101. | 49.4 |
| %RSD | .37632 | .16162 | .52516 |

| | | | |
|----|--------|--------|--------|
| #1 | 8973.8 | 62284. | 9433.7 |
| #2 | 9026.1 | 62363. | 9355.4 |
| #3 | 9037.3 | 62484. | 9446.9 |

Sample Name: 460-111667-D-7-B DU Acquired: 4/11/2016 21:40:12 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49250. | 9.208 | -1.339 | 421.9 | 3.035 | 2645. |
| Stddev | 104. | 1.954 | .353 | 1.2 | .119 | 13. |
| %RSD | .2111 | 21.23 | 26.35 | .2817 | 3.912 | .4742 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 49320. | 10.74 | -1.746 | 423.1 | 2.942 | 2630. |
| #2 | 49290. | 7.006 | -1.148 | 421.8 | 3.169 | 2650. |
| #3 | 49130. | 9.882 | -1.123 | 420.7 | 2.994 | 2654. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8024 | 26.53 | 48.72 | 2.785 | 68430. | 13160. |
| Stddev | .0517 | .12 | .18 | .222 | 157. | 48. |
| %RSD | 6.442 | .4398 | .3675 | 7.984 | .2299 | .3682 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|--------|
| #1 | -.7547 | 26.67 | 48.82 | 3.039 | 68310. | 13180. |
| #2 | -.8573 | 26.46 | 48.51 | 2.627 | 68360. | 13190. |
| #3 | -.7953 | 26.47 | 48.81 | 2.689 | 68610. | 13100. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-7-B DU Acquired: 4/11/2016 21:40:12 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18050. | 1387. | 884.1 | 46.57 | 45.13 | -.3259 |
| Stddev | 50. | 3. | 8.4 | .25 | 2.56 | 1.653 |
| %RSD | .2786 | .2195 | .9506 | .5377 | 5.661 | 507.4 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|---------------|
| #1 | 18010. | 1385. | 888.7 | 46.31 | 43.27 | 1.577 |
| #2 | 18030. | 1386. | 889.1 | 46.60 | 44.08 | -1.142 |
| #3 | 18100. | 1391. | 874.4 | 46.81 | 48.04 | -1.413 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.589 | .4245 | 76.39 | 101.3 | 8.381 | .2019 |
| Stddev | 2.588 | 1.131 | .64 | .3 | .527 | .3328 |
| %RSD | 99.96 | 266.4 | .8399 | .3018 | 6.291 | 164.8 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|--------------|---------------|
| #1 | 1.489 | .8484 | 75.70 | 101.3 | 8.755 | .3651 |
| #2 | .7335 | 1.282 | 76.49 | 101.6 | 8.611 | .4216 |
| #3 | 5.546 | -.8569 | 76.97 | 101.0 | 7.778 | -.1810 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-7-B DU Acquired: 4/11/2016 21:40:12 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.25 | 18.02 | 1754. | 1697. |
| Stddev | .48 | .07 | 2. | 22. |
| %RSD | 4.642 | .4145 | .1108 | 1.282 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 10.31 | 18.11 | 1756. | 1711. |
| #2 | 9.745 | 18.00 | 1752. | 1708. |
| #3 | 10.69 | 17.96 | 1755. | 1672. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9107.9 | 63264. | 9447.9 |
| Stddev | 20.0 | 213. | 49.9 |
| %RSD | .21924 | .33661 | .52812 |

| | | | |
|----|--------|--------|--------|
| #1 | 9090.9 | 63059. | 9428.6 |
| #2 | 9102.9 | 63484. | 9410.5 |
| #3 | 9129.9 | 63249. | 9504.5 |

Sample Name: 460-111667-D-7-A@4 Acquired: 4/11/2016 21:43:57 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 50930. | 9.782 | -1.163 | 447.5 | 3.029 | 2599. |
| Stddev | 95. | .133 | .025 | .9 | .144 | 20. |
| %RSD | .1857 | 1.358 | 2.112 | .2045 | 4.749 | .7713 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 50970. | 9.636 | -1.146 | 448.2 | 2.917 | 2576. |
| #2 | 51000. | 9.813 | -1.191 | 448.0 | 3.191 | 2607. |
| #3 | 50820. | 9.897 | -1.151 | 446.5 | 2.978 | 2613. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -7762 | 28.19 | 50.94 | 2.617 | 73040. | 13720. |
| Stddev | .0298 | .21 | .48 | .192 | 44. | 44. |
| %RSD | 3.844 | .7532 | .9477 | 7.350 | .0608 | .3218 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | -7802 | 27.97 | 50.79 | 2.829 | 72990. | 13680. |
| #2 | -7446 | 28.40 | 50.55 | 2.567 | 73050. | 13770. |
| #3 | -8039 | 28.21 | 51.48 | 2.454 | 73070. | 13700. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-7-A@4 Acquired: 4/11/2016 21:43:57 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19220. | 1487. | 910.5 | 50.03 | 48.28 | 2.975 |
| Stddev | 31. | 1. | 7.4 | .80 | .43 | .639 |
| %RSD | .1616 | .1003 | .8073 | 1.594 | .8834 | 21.47 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 19180. | 1485. | 902.1 | 49.23 | 48.76 | 3.555 |
| #2 | 19240. | 1487. | 915.5 | 50.03 | 47.96 | 2.291 |
| #3 | 19230. | 1488. | 914.0 | 50.83 | 48.10 | 3.079 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.385 | -1.065 | 83.07 | 107.0 | 9.543 | .0460 |
| Stddev | 1.775 | .753 | .34 | .2 | .338 | .2328 |
| %RSD | 52.44 | 70.68 | .4140 | .1917 | 3.544 | 506.4 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | 1.960 | -1.299 | 82.69 | 106.8 | 9.434 | .2239 |
| #2 | 5.373 | -1.674 | 83.15 | 107.0 | 9.922 | -.2174 |
| #3 | 2.821 | -.2232 | 83.37 | 107.2 | 9.273 | .1314 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-7-A@4 Acquired: 4/11/2016 21:43:57 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.214 | 18.28 | 1838. | 1539. |
| Stddev | .326 | .06 | 3. | 8. |
| %RSD | 3.966 | .3170 | .1371 | .5180 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 8.088 | 18.22 | 1838. | 1530. |
| #2 | 8.584 | 18.34 | 1840. | 1546. |
| #3 | 7.970 | 18.29 | 1835. | 1541. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9119.3 | 62914. | 9414.2 |
| Stddev | 26.2 | 82. | 55.3 |
| %RSD | .28779 | .13097 | .58715 |

| | | | |
|----|--------|--------|--------|
| #1 | 9090.0 | 62833. | 9351.0 |
| #2 | 9140.7 | 62998. | 9453.6 |
| #3 | 9127.2 | 62910. | 9437.9 |

Sample Name: 460-110623-C-14-A@20 Acquired: 4/11/2016 21:17:44 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2004. | -1.604 | -.2461 | 2.850 | .0577 | 204.4 |
| Stddev | 5. | .186 | .0520 | .208 | .1006 | 5.4 |
| %RSD | .2571 | 11.62 | 21.15 | 7.283 | 174.5 | 2.629 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|-------|
| #1 | 2000. | -1.625 | -.3030 | 2.826 | -.0274 | 199.7 |
| #2 | 2003. | -1.779 | -.2010 | 2.656 | .1687 | 210.3 |
| #3 | 2010. | -1.408 | -.2341 | 3.069 | .0316 | 203.2 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0007 | -.0250 | 2.151 | 1.985 | 151.3 | 23.20 |
| Stddev | .0833 | .1332 | .190 | .630 | 5.5 | 16.28 |
| %RSD | 12130. | 532.7 | 8.821 | 31.73 | 3.650 | 70.15 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -.0954 | .0536 | 2.348 | 1.378 | 153.1 | 15.51 |
| #2 | .0450 | -.1789 | 2.136 | 1.942 | 155.7 | 12.19 |
| #3 | .0525 | .0502 | 1.970 | 2.635 | 145.1 | 41.90 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-14-A@20 Acquired: 4/11/2016 21:17:44 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 68.15 | 4.356 | 34.88 | .7584 | 6.063 | -.0290 |
| Stddev | 1.79 | .043 | 9.15 | .3522 | .880 | .8366 |
| %RSD | 2.626 | .9776 | 26.22 | 46.45 | 14.51 | 2887. |
| #1 | 70.14 | 4.371 | 42.23 | .9288 | 5.096 | -.9949 |
| #2 | 66.67 | 4.308 | 24.63 | .9931 | 6.279 | .4487 |
| #3 | 67.65 | 4.389 | 37.78 | .3534 | 6.815 | .4593 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.836 | -2.419 | 1.400 | 1.497 | 1.236 | -.6711 |
| Stddev | 1.539 | 1.013 | .272 | .135 | .079 | .0650 |
| %RSD | 54.26 | 41.88 | 19.44 | 8.988 | 6.395 | 9.687 |
| #1 | 1.115 | -3.133 | 1.653 | 1.461 | 1.146 | -.7455 |
| #2 | 4.080 | -2.864 | 1.112 | 1.384 | 1.272 | -.6427 |
| #3 | 3.314 | -1.259 | 1.434 | 1.645 | 1.291 | -.6251 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-14-A@20 Acquired: 4/11/2016 21:17:44 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2236 | 2.710 | 15.78 | 129.8 |
| Stddev | .4295 | .051 | .10 | 5.1 |
| %RSD | 192.0 | 1.872 | .6348 | 3.938 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .2240 | 2.702 | 15.67 | 133.0 |
| #2 | -.2060 | 2.765 | 15.84 | 123.9 |
| #3 | .6529 | 2.665 | 15.84 | 132.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9032.8 | 62651. | 9395.1 |
| Stddev | 25.8 | 293. | 57.7 |
| %RSD | .28577 | .46703 | .61435 |

| | | | |
|----|--------|--------|--------|
| #1 | 9003.6 | 62320. | 9342.2 |
| #2 | 9052.4 | 62762. | 9386.5 |
| #3 | 9042.5 | 62872. | 9456.7 |

Sample Name: pds460-111667-D-7-A Acquired: 4/11/2016 21:33:01 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 52600. | 1784. | 47.92 | 2347. | 51.01 | 20640. |
| Stddev | 129. | 2. | .30 | 2. | .26 | 122. |
| %RSD | .2452 | .1197 | .6192 | .0666 | .5054 | .5928 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 52450. | 1783. | 48.14 | 2349. | 50.73 | 20510. |
| #2 | 52680. | 1783. | 47.58 | 2347. | 51.23 | 20660. |
| #3 | 52670. | 1786. | 48.04 | 2346. | 51.08 | 20760. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 46.12 | 499.1 | 240.9 | 235.2 | 73030. | 30880. |
| Stddev | .01 | .2 | .9 | 1.2 | 276. | 66. |
| %RSD | .0296 | .0458 | .3629 | .5058 | .3783 | .2134 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 46.12 | 498.9 | 240.1 | 236.6 | 72730. | 30830. |
| #2 | 46.11 | 499.4 | 240.9 | 234.3 | 73110. | 30860. |
| #3 | 46.14 | 499.1 | 241.8 | 234.8 | 73260. | 30950. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds460-111667-D-7-A Acquired: 4/11/2016 21:33:01 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36960. | 1945. | 19590. | 526.0 | 517.3 | 450.3 |
| Stddev | 184. | 9. | 61. | .5 | 2.9 | 1.1 |
| %RSD | .4984 | .4683 | .3134 | .1025 | .5608 | .2506 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|--------------|--------------|
| #1 | 36760. | 1936. | 19520. | 526.5 | 513.9 | 451.1 |
| #2 | 37000. | 1946. | 19590. | 525.4 | 518.8 | 449.0 |
| #3 | 37130. | 1954. | 19650. | 526.1 | 519.0 | 450.8 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1777. | 1922. | 547.9 | 575.6 | 473.2 | 454.6 |
| Stddev | 2. | 1. | 2.1 | 1.7 | 1.8 | .8 |
| %RSD | .1304 | .0534 | .3886 | .2993 | .3847 | .1841 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 1779. | 1923. | 545.6 | 573.8 | 474.8 | 455.0 |
| #2 | 1777. | 1922. | 548.4 | 577.2 | 471.2 | 455.1 |
| #3 | 1774. | 1921. | 549.8 | 575.8 | 473.6 | 453.6 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds460-111667-D-7-A Acquired: 4/11/2016 21:33:01 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 475.3 | 493.1 | 2314. | 1597. |
| Stddev | .9 | .2 | 6. | 26. |
| %RSD | .1970 | .0368 | .2582 | 1.600 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 476.3 | 492.9 | 2308. | 1598. |
| #2 | 475.1 | 493.0 | 2316. | 1623. |
| #3 | 474.5 | 493.3 | 2320. | 1572. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8951.9 | 62254. | 9422.3 |
| Stddev | 41.6 | 67. | 36.0 |
| %RSD | .46461 | .10806 | .38201 |

| | | | |
|----|--------|--------|--------|
| #1 | 8906.0 | 62176. | 9381.0 |
| #2 | 8962.6 | 62288. | 9438.4 |
| #3 | 8987.0 | 62297. | 9447.4 |

Sample Name: sd460-111667-D-7-A@2 Acquired: 4/11/2016 21:47:42 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10280. | .6486 | -.8596 | 89.96 | .5620 | 511.7 |
| Stddev | 21. | 1.154 | .4423 | .40 | .1137 | 3.7 |
| %RSD | .1996 | 177.9 | 51.46 | .4456 | 20.23 | .7275 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | 10260. | 1.415 | -.4060 | 89.94 | .5257 | 513.3 |
| #2 | 10280. | -.6788 | -1.290 | 90.37 | .6895 | 514.3 |
| #3 | 10300. | 1.210 | -.8832 | 89.57 | .4709 | 507.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2588 | 5.627 | 10.38 | 1.725 | 15400. | 2789. |
| Stddev | .1219 | .144 | .30 | .506 | 72. | 15. |
| %RSD | 47.11 | 2.563 | 2.851 | 29.37 | .4691 | .5441 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.1305 | 5.753 | 10.29 | 1.501 | 15320. | 2776. |
| #2 | -.2726 | 5.657 | 10.71 | 2.305 | 15460. | 2806. |
| #3 | -.3731 | 5.469 | 10.15 | 1.369 | 15420. | 2785. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111667-D-7-A@2 Acquired: 4/11/2016 21:47:42 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4014. | 303.2 | 192.4 | 10.28 | 9.096 | -.3768 |
| Stddev | 17. | .9 | 5.8 | .39 | .727 | .7518 |
| %RSD | .4315 | .2851 | 3.019 | 3.818 | 7.991 | 199.5 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 3994. | 303.2 | 185.8 | 9.851 | 9.907 | -.9113 |
| #2 | 4022. | 304.0 | 196.5 | 10.62 | 8.879 | -.7019 |
| #3 | 4025. | 302.2 | 195.0 | 10.36 | 8.502 | .4828 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.025 | -1.232 | 16.38 | 21.65 | 2.560 | -.5039 |
| Stddev | 2.546 | 2.217 | .41 | .05 | .042 | .0984 |
| %RSD | 248.4 | 180.0 | 2.508 | .2422 | 1.625 | 19.52 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | -.0961 | -3.766 | 15.91 | 21.65 | 2.513 | -.5944 |
| #2 | 3.940 | .3529 | 16.64 | 21.60 | 2.581 | -.5181 |
| #3 | -.7682 | -.2824 | 16.60 | 21.71 | 2.588 | -.3992 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111667-D-7-A@2 Acquired: 4/11/2016 21:47:42 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.992 | 3.847 | 368.6 | 303.1 |
| Stddev | .512 | .123 | 1.2 | 12.0 |
| %RSD | 25.72 | 3.183 | .3176 | 3.944 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.553 | 3.722 | 368.7 | 296.4 |
| #2 | 1.874 | 3.852 | 369.7 | 316.9 |
| #3 | 1.549 | 3.967 | 367.4 | 296.0 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9050.0 | 62495. | 9315.1 |
| Stddev | 8.8 | 93. | 24.1 |
| %RSD | .09716 | .14891 | .25841 |

| | | | |
|----|--------|--------|--------|
| #1 | 9040.2 | 62473. | 9287.6 |
| #2 | 9052.5 | 62415. | 9332.5 |
| #3 | 9057.3 | 62597. | 9325.1 |

Sample Name: CCV Acquired: 4/11/2016 21:51:34 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 120400. | 2397. | 1180. | 9765. | 981.9 | 118000. |
| Stddev | 358. | 10. | 2. | 3. | 2.7 | 476. |
| %RSD | .2978 | .4041 | .1523 | .0261 | .2798 | .4034 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 120000. | 2408. | 1181. | 9766. | 979.1 | 117700. |
| #2 | 120600. | 2393. | 1178. | 9766. | 982.0 | 117800. |
| #3 | 120500. | 2390. | 1180. | 9762. | 984.6 | 118600. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1199. | 2399. | 4807. | 11970. | 95650. | 48260. |
| Stddev | 1. | 3. | 10. | 30. | 246. | 125. |
| %RSD | .0562 | .1137 | .2041 | .2496 | .2573 | .2592 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1198. | 2401. | 4804. | 12010. | 95540. | 48110. |
| #2 | 1200. | 2399. | 4799. | 11950. | 95490. | 48350. |
| #3 | 1199. | 2396. | 4818. | 11960. | 95940. | 48310. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 21:51:34 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 119900. | 4929. | 123100. | 2423. | 7222. | 955.6 |
| Stddev | 274. | 9. | 118. | 3. | 9. | 9.0 |
| %RSD | .2284 | .1859 | .0955 | .1391 | .1267 | .9399 |

| | | | | | | |
|----|----------------|--------------|----------------|--------------|--------------|--------------|
| #1 | 119800. | 4924. | 123000. | 2424. | 7223. | 964.1 |
| #2 | 119700. | 4923. | 123200. | 2426. | 7231. | 956.5 |
| #3 | 120200. | 4939. | 123100. | 2420. | 7213. | 946.2 |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2338. | 2399. | 2383. | 2403. | 950.9 | 2323. |
| Stddev | 4. | 3. | 4. | 6. | 1.5 | 1. |
| %RSD | .1831 | .1459 | .1545 | .2587 | .1570 | .0584 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 2338. | 2403. | 2382. | 2406. | 950.2 | 2324. |
| #2 | 2342. | 2397. | 2380. | 2408. | 952.6 | 2324. |
| #3 | 2334. | 2397. | 2387. | 2396. | 949.9 | 2322. |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 21:51:34 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 952.1 | 4899. | 9795. | 9444. |
| Stddev | 1.8 | 3. | 9. | 13. |
| %RSD | .1883 | .0527 | .0960 | .1377 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 953.8 | 4898. | 9803. | 9434. |
| #2 | 950.2 | 4902. | 9784. | 9458. |
| #3 | 952.3 | 4897. | 9798. | 9439. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8422.2 | 58539. | 8997.2 |
| Stddev | 23.9 | 130. | 87.1 |
| %RSD | .28418 | .22152 | .96762 |

| | | | |
|----|--------|--------|--------|
| #1 | 8405.1 | 58472. | 9097.5 |
| #2 | 8412.0 | 58689. | 8940.8 |
| #3 | 8449.5 | 58457. | 8953.3 |

Sample Name: CCB Acquired: 4/11/2016 21:55:01 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.579 | -.2231 | -.1067 | .2410 | -.1347 | -19.76 |
| Stddev | 8.053 | 1.668 | .3928 | .1585 | .0925 | .93 |
| %RSD | 93.87 | 747.8 | 368.1 | 65.75 | 68.67 | 4.718 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 6.242 | 1.699 | -.5092 | .2094 | -.1203 | -18.95 |
| #2 | 17.54 | -1.075 | -.0866 | .4129 | -.0502 | -20.78 |
| #3 | 1.953 | -1.293 | .2757 | .1007 | -.2335 | -19.57 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0869 | -.0002 | .1408 | 2.191 | 11.57 | 22.49 |
| Stddev | .0655 | .1719 | .2022 | .804 | 7.21 | 31.33 |
| %RSD | 75.37 | 89280. | 143.5 | 36.72 | 62.36 | 139.3 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|-------|
| #1 | .0129 | -.1692 | .3645 | 2.897 | 19.10 | 58.56 |
| #2 | .1375 | .1744 | -.0288 | 2.360 | 10.88 | 6.917 |
| #3 | .1104 | -.0057 | .0868 | 1.315 | 4.721 | 2.010 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 21:55:01 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.322 | .2357 | 33.89 | .2982 | .0458 | -2.194 |
| Stddev | 2.970 | .0988 | 5.84 | .4447 | 1.506 | .844 |
| %RSD | 55.80 | 41.91 | 17.22 | 149.1 | 3289. | 38.49 |
| #1 | 7.071 | .3133 | 40.49 | .3154 | .4916 | -2.139 |
| #2 | 1.893 | .2692 | 31.78 | -.1548 | 1.279 | -1.378 |
| #3 | 7.003 | .1245 | 29.40 | .7340 | -1.633 | -3.064 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.662 | -.5168 | .1147 | .2424 | 2.179 | .8877 |
| Stddev | .997 | .2171 | .6867 | .4237 | .558 | .2182 |
| %RSD | 37.46 | 42.02 | 598.4 | 174.8 | 25.60 | 24.58 |
| #1 | 1.552 | -.7248 | .9048 | .7314 | 2.739 | 1.061 |
| #2 | 3.481 | -.2915 | -.2220 | .0114 | 2.174 | .6425 |
| #3 | 2.952 | -.5341 | -.3386 | -.0157 | 1.623 | .9598 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 21:55:01 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .6201 | .2701 | 1.013 | -6.799 |
| Stddev | .2380 | .2219 | .178 | 4.923 |
| %RSD | 38.38 | 82.15 | 17.57 | 72.41 |

| | | | | |
|----|--------------|--------------|--------------|---------------|
| #1 | .4396 | .4670 | 1.169 | -1.118 |
| #2 | .5309 | .3136 | 1.050 | -9.472 |
| #3 | .8898 | .0297 | .8188 | -9.808 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8976.8 | 61937. | 9224.5 |
| Stddev | 14.3 | 36. | 121.2 |
| %RSD | .15876 | .05851 | 1.3141 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8962.2 | 61902. | 9360.0 |
| #2 | 8990.6 | 61974. | 9126.6 |
| #3 | 8977.7 | 61935. | 9186.8 |

Sample Name: CCVL Acquired: 4/11/2016 21:58:56 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 204.9 | 13.09 | 8.682 | 201.2 | 2.028 | 4848. |
| Stddev | 4.6 | .66 | .653 | .5 | .125 | 22. |
| %RSD | 2.246 | 5.060 | 7.518 | .2609 | 6.142 | .4511 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 206.6 | 13.23 | 8.555 | 200.6 | 2.133 | 4825. |
| #2 | 199.7 | 12.36 | 9.389 | 201.3 | 2.061 | 4848. |
| #3 | 208.3 | 13.66 | 8.102 | 201.6 | 1.891 | 4869. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.042 | 50.52 | 9.851 | 25.55 | 161.5 | 4827. |
| Stddev | .066 | .14 | .328 | .56 | 2.4 | 34. |
| %RSD | 1.623 | .2861 | 3.329 | 2.181 | 1.510 | .7009 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.971 | 50.60 | 10.13 | 25.39 | 160.1 | 4794. |
| #2 | 4.100 | 50.60 | 9.492 | 26.17 | 164.3 | 4826. |
| #3 | 4.055 | 50.35 | 9.927 | 25.09 | 160.0 | 4862. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 21:58:56 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4843. | 15.92 | 4890. | 41.01 | 10.33 | 16.46 |
| Stddev | 57. | .14 | 34. | .30 | 1.27 | .78 |
| %RSD | 1.177 | .8774 | .6891 | .7329 | 12.31 | 4.751 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4777. | 15.78 | 4866. | 40.89 | 11.76 | 15.81 |
| #2 | 4877. | 15.92 | 4874. | 41.36 | 9.899 | 16.25 |
| #3 | 4875. | 16.06 | 4928. | 40.80 | 9.330 | 17.33 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.72 | 18.67 | 49.01 | 30.44 | 47.78 | 18.79 |
| Stddev | 2.42 | 2.12 | .79 | .23 | .47 | .19 |
| %RSD | 12.29 | 11.37 | 1.604 | .7482 | .9902 | 1.001 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 17.21 | 19.52 | 48.65 | 30.20 | 48.08 | 18.88 |
| #2 | 19.90 | 20.23 | 48.47 | 30.46 | 48.02 | 18.92 |
| #3 | 22.04 | 16.25 | 49.91 | 30.65 | 47.23 | 18.57 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 21:58:56 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.12 | 20.60 | 20.30 | F 2.120 |
| Stddev | .62 | .29 | .44 | 11.02 |
| %RSD | 1.290 | 1.419 | 2.147 | 519.6 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 47.47 | 20.47 | 19.80 | 6.891 |
| #2 | 48.71 | 20.40 | 20.49 | 9.949 |
| #3 | 48.18 | 20.93 | 20.61 | -10.48 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8928.9 | 61659. | 9096.5 |
| Stddev | 13.9 | 316. | 113.7 |
| %RSD | .15579 | .51309 | 1.2501 |

| | | | |
|----|--------|--------|--------|
| #1 | 8941.3 | 61919. | 9176.1 |
| #2 | 8931.5 | 61751. | 9147.1 |
| #3 | 8913.9 | 61307. | 8966.2 |

Sample Name: MB 460-361486/1-A@2 Acquired: 4/11/2016 22:02:48 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.168 | -1.938 | .1318 | -.0446 | .0556 | -6.032 |
| Stddev | 16.82 | .610 | .4763 | .1688 | .0517 | 3.539 |
| %RSD | 234.6 | 31.48 | 361.3 | 378.2 | 93.03 | 58.67 |
| #1 | -12.14 | -2.309 | .4551 | -.0524 | .1153 | -4.105 |
| #2 | 15.04 | -1.234 | .3555 | -.2094 | .0259 | -10.12 |
| #3 | 18.60 | -2.271 | -.4151 | .1279 | .0256 | -3.875 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0322 | -.1705 | -.1872 | 1.535 | 12.74 | -1.706 |
| Stddev | .0349 | .1287 | .3477 | .349 | 4.32 | 21.42 |
| %RSD | 108.6 | 75.47 | 185.7 | 22.76 | 33.90 | 1255. |
| #1 | -.0587 | -.2806 | -.2646 | 1.194 | 16.09 | 23.02 |
| #2 | -.0453 | -.0291 | -.4897 | 1.893 | 7.865 | -14.43 |
| #3 | .0074 | -.2017 | .1926 | 1.520 | 14.27 | -13.72 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361486/1-A@2 Acquired: 4/11/2016 22:02:48 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.536 | .1344 | 22.29 | .1300 | -.7504 | .1076 |
| Stddev | 2.652 | .0408 | 6.78 | .3787 | .7055 | 2.609 |
| %RSD | 58.47 | 30.34 | 30.42 | 291.4 | 94.02 | 2425. |
| #1 | 4.318 | .0998 | 30.09 | -.0480 | -.8547 | 3.107 |
| #2 | 7.290 | .1241 | 19.01 | .5650 | -1.398 | -1.633 |
| #3 | 1.999 | .1794 | 17.78 | -.1270 | .0014 | -1.151 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.889 | -3.796 | .1043 | .4287 | 2.210 | -.0882 |
| Stddev | 1.487 | 1.274 | .4428 | .1387 | .291 | .3755 |
| %RSD | 78.74 | 33.55 | 424.7 | 32.35 | 13.19 | 425.9 |
| #1 | 2.941 | -3.053 | -.3775 | .5644 | 2.546 | -.1081 |
| #2 | .1873 | -5.266 | .1967 | .2873 | 2.026 | .2969 |
| #3 | 2.538 | -3.068 | .4936 | .4344 | 2.057 | -.4533 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361486/1-A@2 Acquired: 4/11/2016 22:02:48 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7.341 | .2007 | -.4964 | -2.979 |
| Stddev | .245 | .0705 | .1809 | 2.685 |
| %RSD | 3.343 | 35.11 | 36.43 | 90.14 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | 7.122 | .2810 | -.6916 | -1.381 |
| #2 | 7.606 | .1716 | -.4630 | -1.477 |
| #3 | 7.294 | .1494 | -.3345 | -6.078 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9007.9 | 62648. | 9236.2 |
| Stddev | 17.8 | 357. | 101.6 |
| %RSD | .19713 | .56919 | 1.0996 |

| | | | |
|----|--------|--------|--------|
| #1 | 8987.8 | 62258. | 9129.4 |
| #2 | 9014.4 | 62957. | 9331.6 |
| #3 | 9021.5 | 62729. | 9247.4 |

Sample Name: LCSSRM 460-361486/2- Acquired: 4/11/2016 22:06:43 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 33700. | 680.8 | 140.7 | 1028. | 484.0 | 27590. |
| Stddev | 110. | 2.2 | .2 | 2. | 2.6 | 116. |
| %RSD | .3248 | .3186 | .1425 | .1702 | .5377 | .4203 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 33580. | 678.3 | 140.8 | 1030. | 481.3 | 27540. |
| #2 | 33780. | 682.2 | 140.4 | 1028. | 484.1 | 27520. |
| #3 | 33760. | 681.9 | 140.7 | 1027. | 486.5 | 27730. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 442.2 | 791.4 | 702.2 | 833.0 | 66840. | 10840. |
| Stddev | .9 | .7 | 2.5 | 1.2 | 149. | 30. |
| %RSD | .2015 | .0891 | .3605 | .1403 | .2224 | .2749 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 442.9 | 790.7 | 700.6 | 831.7 | 66740. | 10810. |
| #2 | 442.4 | 792.1 | 700.8 | 833.0 | 66770. | 10860. |
| #3 | 441.2 | 791.3 | 705.1 | 834.1 | 67010. | 10850. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: LCSSRM 460-361486/2- Acquired: 4/11/2016 22:06:43 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11880. | 1556. | 4160. | 682.6 | 734.5 | 404.4 |
| Stddev | 14. | 5. | 20. | .5 | 2.0 | .8 |
| %RSD | .1169 | .2903 | .4870 | .0730 | .2673 | .2027 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 11880. | 1553. | 4139. | 682.6 | 734.5 | 403.9 |
| #2 | 11870. | 1553. | 4180. | 683.0 | 736.4 | 405.4 |
| #3 | 11890. | 1561. | 4161. | 682.0 | 732.5 | 404.0 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 824.0 | 742.3 | 536.7 | 952.5 | 617.7 | 566.2 |
| Stddev | 2.8 | 3.3 | .7 | 2.2 | 3.9 | 1.9 |
| %RSD | .3394 | .4477 | .1229 | .2344 | .6282 | .3284 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 823.7 | 739.6 | 536.1 | 954.8 | 613.7 | 564.1 |
| #2 | 821.3 | 746.0 | 536.6 | 950.4 | 618.1 | 567.0 |
| #3 | 826.9 | 741.1 | 537.4 | 952.4 | 621.4 | 567.6 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: LCSSRM 460-361486/2- Acquired: 4/11/2016 22:06:43 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 727.5 | 516.4 | 1461. | 1676. |
| Stddev | 3.4 | 1.7 | 4. | 27. |
| %RSD | .4681 | .3366 | .2712 | 1.628 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 724.2 | 515.1 | 1458. | 1664. |
| #2 | 727.3 | 515.7 | 1461. | 1657. |
| #3 | 731.0 | 518.4 | 1466. | 1707. |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9129.8 | 63082. | 9266.4 |
| Stddev | 23.4 | 272. | 81.3 |
| %RSD | .25648 | .43116 | .87723 |

| | | | |
|----|--------|--------|--------|
| #1 | 9104.0 | 62853. | 9271.1 |
| #2 | 9149.7 | 63382. | 9182.8 |
| #3 | 9135.6 | 63009. | 9345.2 |

Sample Name: 460-111667-D-1-A@4 Acquired: 4/11/2016 22:10:16 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 32000. | 13.66 | -1.896 | 598.0 | 12.81 | 5018. |
| Stddev | 934. | .05 | .256 | 15.6 | .18 | 152. |
| %RSD | 2.917 | .3534 | 13.52 | 2.615 | 1.371 | 3.035 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 31050. | 13.62 | -2.125 | 581.5 | 12.61 | 4867. |
| #2 | 32040. | 13.65 | -1.619 | 600.1 | 12.87 | 5016. |
| #3 | 32920. | 13.71 | -1.946 | 612.5 | 12.95 | 5171. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9491 | 26.69 | 50.10 | 2.618 | 95720. | 8349. |
| Stddev | .0083 | .78 | 1.31 | .117 | 2868. | 226. |
| %RSD | .8732 | 2.930 | 2.618 | 4.461 | 2.996 | 2.710 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.9423 | 25.87 | 48.69 | 2.529 | 92820. | 8128. |
| #2 | -.9467 | 26.78 | 50.35 | 2.751 | 95780. | 8339. |
| #3 | -.9583 | 27.43 | 51.28 | 2.575 | 98560. | 8580. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-1-A@4 Acquired: 4/11/2016 22:10:16 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 14050. | 1134. | 359.7 | 72.14 | 63.18 | 1.849 |
| Stddev | 425. | 34. | 12.4 | 2.01 | 1.33 | .406 |
| %RSD | 3.027 | 3.031 | 3.435 | 2.784 | 2.104 | 21.94 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 13630. | 1100. | 351.8 | 70.21 | 61.69 | 1.574 |
| #2 | 14060. | 1134. | 353.3 | 72.00 | 63.58 | 2.315 |
| #3 | 14480. | 1169. | 373.9 | 74.22 | 64.26 | 1.659 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.900 | -1.753 | 59.57 | 58.37 | 7.750 | .5451 |
| Stddev | 1.054 | .752 | 2.38 | 1.60 | .570 | .4414 |
| %RSD | 27.04 | 42.93 | 3.990 | 2.741 | 7.358 | 80.98 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 2.737 | -2.405 | 57.09 | 56.70 | 8.250 | .3075 |
| #2 | 4.793 | -1.923 | 59.77 | 58.52 | 7.129 | .2734 |
| #3 | 4.170 | -.9295 | 61.83 | 59.89 | 7.871 | 1.054 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-1-A@4 Acquired: 4/11/2016 22:10:16 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.999 | 32.65 | 612.1 | 1446. |
| Stddev | .226 | .77 | 17.3 | 31. |
| %RSD | 3.234 | 2.369 | 2.830 | 2.147 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 7.225 | 31.88 | 594.8 | 1420. |
| #2 | 6.772 | 32.65 | 612.0 | 1438. |
| #3 | 7.001 | 33.42 | 629.5 | 1480. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9351.6 | 64410. | 9562.0 |
| Stddev | 17.0 | 91. | 25.8 |
| %RSD | .18131 | .14069 | .27015 |

| | | | |
|----|--------|--------|--------|
| #1 | 9335.6 | 64334. | 9550.8 |
| #2 | 9369.4 | 64510. | 9591.5 |
| #3 | 9349.8 | 64384. | 9543.6 |

Sample Name: 460-111667-D-2-A@4 Acquired: 4/11/2016 22:14:01 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 45450. | 15.88 | -1.300 | 644.4 | 6.745 | 3692. |
| Stddev | 599. | .30 | .746 | 6.0 | .062 | 59. |
| %RSD | 1.318 | 1.904 | 57.35 | .9342 | .9236 | 1.603 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 44840. | 16.22 | -1.311 | 637.8 | 6.678 | 3624. |
| #2 | 45450. | 15.81 | -.5494 | 646.1 | 6.801 | 3724. |
| #3 | 46040. | 15.62 | -2.041 | 649.4 | 6.755 | 3728. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.323 | 43.00 | 93.58 | 1.947 | 137900. | 17190. |
| Stddev | .129 | .60 | 1.48 | .148 | 1849. | 229. |
| %RSD | 9.724 | 1.407 | 1.578 | 7.587 | 1.341 | 1.333 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -1.175 | 42.30 | 91.96 | 2.111 | 135800. | 16960. |
| #2 | -1.407 | 43.28 | 93.94 | 1.824 | 138400. | 17180. |
| #3 | -1.386 | 43.41 | 94.85 | 1.905 | 139400. | 17420. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-2-A@4 Acquired: 4/11/2016 22:14:01 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24600. | 2249. | 835.4 | 81.23 | 172.3 | 3.733 |
| Stddev | 345. | 29. | 15.0 | .83 | 1.8 | 1.790 |
| %RSD | 1.404 | 1.290 | 1.791 | 1.025 | 1.046 | 47.96 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 24210. | 2217. | 818.2 | 80.36 | 170.2 | 3.632 |
| #2 | 24720. | 2258. | 845.5 | 81.33 | 172.9 | 1.995 |
| #3 | 24870. | 2273. | 842.5 | 82.01 | 173.6 | 5.571 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.145 | 3.678 | 190.2 | 149.2 | 9.234 | 1.210 |
| Stddev | 1.679 | 2.405 | 2.6 | 2.2 | .506 | .099 |
| %RSD | 53.39 | 65.39 | 1.382 | 1.465 | 5.480 | 8.150 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 3.768 | 4.918 | 187.3 | 147.0 | 9.655 | 1.264 |
| #2 | 4.423 | 5.211 | 190.6 | 149.3 | 9.375 | 1.271 |
| #3 | 1.243 | .9061 | 192.5 | 151.4 | 8.673 | 1.097 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-2-A@4 Acquired: 4/11/2016 22:14:01 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.456 | 23.52 | 1339. | 878.1 |
| Stddev | .591 | .34 | 16. | 15.0 |
| %RSD | 13.27 | 1.439 | 1.160 | 1.707 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.702 | 23.15 | 1322. | 877.6 |
| #2 | 4.885 | 23.60 | 1342. | 863.3 |
| #3 | 3.781 | 23.82 | 1353. | 893.3 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9113.6 | 62861. | 9337.1 |
| Stddev | 10.1 | 174. | 53.4 |
| %RSD | .11074 | .27649 | .57244 |

| | | | |
|----|--------|--------|--------|
| #1 | 9110.7 | 62999. | 9304.9 |
| #2 | 9124.9 | 62666. | 9398.8 |
| #3 | 9105.3 | 62918. | 9307.5 |

Sample Name: 460-111667-D-3-A@4 Acquired: 4/11/2016 22:17:45 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18660. | 10.67 | -1.233 | 756.6 | 8.945 | 4815. |
| Stddev | 356. | 2.10 | .384 | 8.8 | .033 | 96. |
| %RSD | 1.908 | 19.67 | 31.13 | 1.162 | .3635 | 1.997 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 18300. | 8.531 | -1.675 | 747.5 | 8.981 | 4720. |
| #2 | 18670. | 12.73 | -.9942 | 757.2 | 8.919 | 4813. |
| #3 | 19010. | 10.76 | -1.028 | 765.0 | 8.935 | 4912. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7650 | 14.62 | 29.25 | 2.579 | 70370. | 4565. |
| Stddev | .2234 | .42 | .83 | .366 | 1441. | 89. |
| %RSD | 29.20 | 2.867 | 2.822 | 14.18 | 2.048 | 1.959 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.6409 | 14.18 | 28.31 | 2.993 | 68860. | 4492. |
| #2 | -.6313 | 14.66 | 29.83 | 2.301 | 70510. | 4539. |
| #3 | -1.023 | 15.02 | 29.63 | 2.443 | 71730. | 4665. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-3-A@4 Acquired: 4/11/2016 22:17:45 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8110. | 1140. | 390.7 | 37.44 | 59.20 | .5679 |
| Stddev | 208. | 23. | 8.5 | 1.39 | 2.12 | 2.081 |
| %RSD | 2.565 | 2.005 | 2.165 | 3.707 | 3.582 | 366.4 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 7881. | 1117. | 384.1 | 36.06 | 56.85 | 2.009 |
| #2 | 8163. | 1141. | 387.8 | 37.42 | 59.77 | 1.512 |
| #3 | 8287. | 1163. | 400.2 | 38.84 | 60.98 | -1.818 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.658 | -.1371 | 50.25 | 31.29 | 6.933 | .1973 |
| Stddev | 1.617 | .4166 | 1.15 | .60 | .209 | .0664 |
| %RSD | 97.50 | 303.9 | 2.293 | 1.903 | 3.013 | 33.63 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -.6756 | .3227 | 49.16 | 30.63 | 6.798 | .1372 |
| #2 | -3.525 | -.2445 | 50.13 | 31.48 | 6.827 | .2685 |
| #3 | -.7748 | -.4894 | 51.45 | 31.78 | 7.174 | .1863 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-3-A@4 Acquired: 4/11/2016 22:17:45 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.747 | 32.03 | 137.7 | 973.8 |
| Stddev | .431 | .60 | 3.4 | 31.7 |
| %RSD | 24.70 | 1.875 | 2.478 | 3.253 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.242 | 31.53 | 134.1 | 955.4 |
| #2 | 1.548 | 31.85 | 138.1 | 955.5 |
| #3 | 1.451 | 32.70 | 140.9 | 1010. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9304.4 | 64443. | 9731.0 |
| Stddev | 18.8 | 113. | 63.3 |
| %RSD | .20185 | .17510 | .65054 |

| | | | |
|----|--------|--------|--------|
| #1 | 9286.7 | 64320. | 9674.4 |
| #2 | 9324.1 | 64466. | 9799.4 |
| #3 | 9302.5 | 64542. | 9719.2 |

Sample Name: 460-110623-C-9-A@20 Acquired: 4/11/2016 20:35:43 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1977. | -1.166 | -.4600 | 4.552 | .1135 | 477.9 |
| Stddev | 9. | 1.049 | .7151 | .154 | .0591 | 5.2 |
| %RSD | .4349 | 89.99 | 155.5 | 3.372 | 52.05 | 1.094 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|-------|
| #1 | 1974. | -.7114 | -1.283 | 4.609 | .0594 | 482.9 |
| #2 | 1987. | -2.365 | .0076 | 4.378 | .1046 | 478.4 |
| #3 | 1971. | -.4204 | -.1044 | 4.668 | .1766 | 472.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1044 | -.0316 | 2.162 | 3.116 | 325.8 | 40.11 |
| Stddev | .1228 | .0156 | .752 | .467 | 4.6 | 22.50 |
| %RSD | 117.7 | 49.44 | 34.81 | 14.97 | 1.405 | 56.10 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | .2452 | -.0481 | 1.358 | 2.616 | 320.5 | 66.02 |
| #2 | .0191 | -.0172 | 2.279 | 3.539 | 328.7 | 28.82 |
| #3 | .0488 | -.0294 | 2.849 | 3.194 | 328.2 | 25.49 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-9-A@20 Acquired: 4/11/2016 20:35:43 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 112.5 | 10.97 | 49.67 | .9347 | 16.98 | -1.091 |
| Stddev | 3.1 | .09 | 7.63 | .3263 | .15 | 2.830 |
| %RSD | 2.740 | .8096 | 15.36 | 34.91 | .9073 | 259.5 |
| #1 | 111.7 | 10.87 | 42.69 | 1.104 | 16.87 | -.8304 |
| #2 | 109.9 | 11.04 | 57.82 | .5584 | 16.92 | 1.600 |
| #3 | 115.9 | 11.00 | 48.49 | 1.141 | 17.16 | -4.041 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.175 | -2.220 | 2.329 | 3.687 | 1.432 | -.6048 |
| Stddev | .889 | 1.033 | .170 | .042 | .140 | .1909 |
| %RSD | 75.64 | 46.52 | 7.278 | 1.135 | 9.804 | 31.57 |
| #1 | .2804 | -1.063 | 2.301 | 3.715 | 1.457 | -.7901 |
| #2 | 1.186 | -3.048 | 2.511 | 3.639 | 1.281 | -.6154 |
| #3 | 2.058 | -2.550 | 2.175 | 3.706 | 1.559 | -.4088 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-9-A@20 Acquired: 4/11/2016 20:35:43 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .3843 | 5.376 | 26.31 | 129.6 |
| Stddev | .3185 | .063 | .23 | 8.7 |
| %RSD | 82.89 | 1.176 | .8843 | 6.677 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .0234 | 5.412 | 26.05 | 120.2 |
| #2 | .6264 | 5.303 | 26.48 | 137.2 |
| #3 | .5031 | 5.412 | 26.41 | 131.3 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9046.5 | 63669. | 9673.9 |
| Stddev | 1.8 | 37. | 40.5 |
| %RSD | .01939 | .05882 | .41824 |

| | | | |
|----|--------|--------|--------|
| #1 | 9045.0 | 63627. | 9640.8 |
| #2 | 9046.1 | 63697. | 9719.0 |
| #3 | 9048.4 | 63684. | 9661.8 |

Sample Name: CCVL Acquired: 4/11/2016 21:10:01 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.3 | 14.35 | 8.629 | 202.3 | 1.906 | 4819. |
| Stddev | 11.0 | 3.00 | .330 | .7 | .117 | 3. |
| %RSD | 5.823 | 20.94 | 3.828 | .3329 | 6.128 | .0639 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 202.0 | 14.73 | 8.834 | 202.6 | 1.959 | 4823. |
| #2 | 182.3 | 11.17 | 8.248 | 202.7 | 1.772 | 4817. |
| #3 | 183.6 | 17.15 | 8.804 | 201.5 | 1.986 | 4818. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.889 | 50.86 | 9.727 | 26.09 | 159.9 | 4883. |
| Stddev | .148 | .35 | .144 | .06 | 2.9 | 40. |
| %RSD | 3.807 | .6899 | 1.477 | .2281 | 1.838 | .8166 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.776 | 50.83 | 9.568 | 26.13 | 159.7 | 4844. |
| #2 | 4.056 | 51.23 | 9.767 | 26.12 | 157.1 | 4882. |
| #3 | 3.833 | 50.53 | 9.847 | 26.02 | 163.0 | 4924. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 21:10:01 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4851. | 16.01 | 4901. | 41.49 | 9.853 | 18.03 |
| Stddev | 51. | .06 | 6. | .75 | .446 | 1.13 |
| %RSD | 1.061 | .3438 | .1148 | 1.800 | 4.529 | 6.242 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4793. | 15.97 | 4907. | 41.21 | 10.26 | 16.77 |
| #2 | 4867. | 15.99 | 4901. | 42.34 | 9.918 | 18.95 |
| #3 | 4893. | 16.07 | 4896. | 40.93 | 9.378 | 18.37 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.79 | 18.24 | 49.81 | 30.53 | 48.65 | 18.88 |
| Stddev | .27 | 1.42 | .51 | .09 | .01 | .21 |
| %RSD | 1.426 | 7.778 | 1.014 | .2969 | .0300 | 1.094 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 18.56 | 19.80 | 49.30 | 30.49 | 48.67 | 18.75 |
| #2 | 18.72 | 17.92 | 49.83 | 30.47 | 48.65 | 18.76 |
| #3 | 19.08 | 17.01 | 50.31 | 30.64 | 48.64 | 19.11 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 21:10:01 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.07 | 20.85 | 20.62 | F 2.409 |
| Stddev | .46 | .05 | .15 | 6.726 |
| %RSD | .9550 | .2336 | .7421 | 279.2 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 48.59 | 20.89 | 20.45 | 6.459 |
| #2 | 47.92 | 20.80 | 20.74 | 6.121 |
| #3 | 47.70 | 20.86 | 20.68 | -5.355 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8969.1 | 62319. | 9248.6 |
| Stddev | 14.9 | 85. | 44.9 |
| %RSD | .16619 | .13712 | .48591 |

| | | | |
|----|--------|--------|--------|
| #1 | 8953.2 | 62358. | 9202.6 |
| #2 | 8982.7 | 62377. | 9250.7 |
| #3 | 8971.4 | 62221. | 9292.4 |

Sample Name: 460-110623-C-15-B@20 Acquired: 4/11/2016 21:25:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2056. | -.0800 | -.7298 | 4.022 | .0381 | 383.5 |
| Stddev | 11. | 1.031 | .2595 | .195 | .1466 | 3.1 |
| %RSD | .5196 | 1288. | 35.57 | 4.837 | 384.5 | .8118 |
| #1 | 2049. | -.2882 | -.4891 | 4.245 | .1897 | 383.1 |
| #2 | 2051. | -.9909 | -1.005 | 3.933 | -.1029 | 386.8 |
| #3 | 2068. | 1.039 | -.6954 | 3.888 | .0276 | 380.6 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0447 | -.0669 | 1.494 | 3.205 | 343.8 | 19.68 |
| Stddev | .0969 | .0114 | .602 | .472 | 10.3 | 15.26 |
| %RSD | 217.0 | 17.05 | 40.27 | 14.72 | 2.987 | 77.55 |
| #1 | .0511 | -.0607 | 1.285 | 3.413 | 336.0 | 9.993 |
| #2 | .1383 | -.0801 | 1.025 | 2.665 | 340.0 | 37.27 |
| #3 | -.0553 | -.0599 | 2.173 | 3.537 | 355.5 | 11.77 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-15-B@20 Acquired: 4/11/2016 21:25:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 94.62 | 9.634 | 53.58 | .6062 | 16.77 | -.4654 |
| Stddev | 4.51 | .045 | 2.60 | .4768 | .99 | .9280 |
| %RSD | 4.767 | .4710 | 4.857 | 78.66 | 5.894 | 199.4 |
| #1 | 90.87 | 9.582 | 54.38 | .7548 | 15.63 | -1.389 |
| #2 | 93.37 | 9.666 | 50.67 | .0727 | 17.41 | -.4743 |
| #3 | 99.63 | 9.654 | 55.69 | .9909 | 17.26 | .4669 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .6165 | -.5170 | 2.389 | 3.293 | 1.184 | -.4236 |
| Stddev | .4885 | .7718 | .115 | .149 | .115 | .1786 |
| %RSD | 79.24 | 149.3 | 4.812 | 4.511 | 9.695 | 42.17 |
| #1 | .1501 | -1.005 | 2.457 | 3.149 | 1.074 | -.5986 |
| #2 | .5748 | .3728 | 2.454 | 3.445 | 1.303 | -.2415 |
| #3 | 1.124 | -.9186 | 2.256 | 3.286 | 1.176 | -.4307 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-15-B@20 Acquired: 4/11/2016 21:25:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1677 | 4.687 | 23.07 | 131.6 |
| Stddev | .1451 | .047 | .24 | 20.6 |
| %RSD | 86.47 | 1.001 | 1.061 | 15.64 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .0743 | 4.633 | 22.89 | 143.7 |
| #2 | .0941 | 4.717 | 22.99 | 143.3 |
| #3 | .3349 | 4.712 | 23.35 | 107.8 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9007.4 | 62805. | 9467.1 |
| Stddev | 28.1 | 123. | 35.3 |
| %RSD | .31220 | .19636 | .37248 |

| | | | |
|----|--------|--------|--------|
| #1 | 8977.9 | 62665. | 9494.4 |
| #2 | 9010.5 | 62857. | 9479.5 |
| #3 | 9033.9 | 62894. | 9427.3 |

Sample Name: 460-111667-D-4-A@4 Acquired: 4/11/2016 22:21:34 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15950. | 8.412 | -1.296 | 480.8 | 9.259 | 3890. |
| Stddev | 256. | 1.356 | .234 | 7.1 | .236 | 71. |
| %RSD | 1.604 | 16.12 | 18.10 | 1.467 | 2.555 | 1.828 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 15680. | 8.708 | -1.309 | 472.9 | 9.025 | 3827. |
| #2 | 15960. | 6.932 | -1.055 | 482.8 | 9.253 | 3876. |
| #3 | 16200. | 9.596 | -1.523 | 486.6 | 9.498 | 3967. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6218 | 12.85 | 24.61 | 2.007 | 56090. | 4468. |
| Stddev | .0986 | .16 | .77 | .320 | 946. | 70. |
| %RSD | 15.86 | 1.215 | 3.134 | 15.96 | 1.687 | 1.557 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.7315 | 12.67 | 23.76 | 1.966 | 55140. | 4391. |
| #2 | -.5405 | 12.95 | 25.26 | 1.710 | 56110. | 4486. |
| #3 | -.5935 | 12.93 | 24.81 | 2.346 | 57030. | 4526. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-4-A@4 Acquired: 4/11/2016 22:21:34 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5721. | 1181. | 279.7 | 25.83 | 55.62 | .5802 |
| Stddev | 116. | 22. | 10.5 | .32 | 2.10 | .4890 |
| %RSD | 2.019 | 1.855 | 3.745 | 1.242 | 3.777 | 84.27 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 5609. | 1159. | 269.0 | 25.59 | 53.65 | .9355 |
| #2 | 5713. | 1181. | 290.0 | 25.70 | 55.36 | .7826 |
| #3 | 5840. | 1203. | 280.2 | 26.19 | 57.83 | .0225 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.420 | -3.007 | 38.30 | 27.25 | 6.938 | .2599 |
| Stddev | 1.275 | .714 | .92 | .46 | .193 | .0615 |
| %RSD | 37.27 | 23.75 | 2.397 | 1.672 | 2.781 | 23.66 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|--------------|--------------|
| #1 | 4.739 | -2.679 | 37.45 | 26.79 | 6.753 | .1899 |
| #2 | 2.195 | -3.826 | 38.17 | 27.25 | 7.138 | .3050 |
| #3 | 3.328 | -2.515 | 39.27 | 27.71 | 6.923 | .2849 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-4-A@4 Acquired: 4/11/2016 22:21:34 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.494 | 24.03 | 117.5 | 850.4 |
| Stddev | .132 | .38 | 2.9 | 19.6 |
| %RSD | 8.828 | 1.585 | 2.452 | 2.304 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 1.644 | 23.59 | 114.5 | 827.9 |
| #2 | 1.437 | 24.19 | 117.5 | 863.6 |
| #3 | 1.400 | 24.30 | 120.3 | 859.6 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9236.3 | 63806. | 9462.0 |
| Stddev | 40.2 | 301. | 87.0 |
| %RSD | .43495 | .47160 | .91981 |

| | | | |
|----|--------|--------|--------|
| #1 | 9192.2 | 63471. | 9373.7 |
| #2 | 9270.7 | 64052. | 9464.7 |
| #3 | 9246.1 | 63896. | 9547.7 |

Sample Name: 460-111667-D-5-A@4 Acquired: 4/11/2016 22:25:23 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 40520. | 20.37 | -1.156 | 3659. | 12.45 | 6510. |
| Stddev | 21. | .75 | .503 | 6. | .13 | 11. |
| %RSD | .0519 | 3.667 | 43.49 | .1531 | 1.083 | .1678 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 40540. | 20.60 | -1.311 | 3662. | 12.60 | 6508. |
| #2 | 40530. | 20.98 | -.5942 | 3663. | 12.42 | 6500. |
| #3 | 40500. | 19.54 | -1.564 | 3653. | 12.34 | 6521. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.565 | 41.33 | 88.05 | 2.617 | 139500. | 18270. |
| Stddev | .082 | .20 | .59 | .264 | 177. | 19. |
| %RSD | 5.223 | .4732 | .6651 | 10.08 | .1270 | .1056 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -1.478 | 41.13 | 87.48 | 2.686 | 139400. | 18290. |
| #2 | -1.578 | 41.32 | 88.03 | 2.325 | 139400. | 18250. |
| #3 | -1.640 | 41.52 | 88.65 | 2.838 | 139700. | 18280. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-5-A@4 Acquired: 4/11/2016 22:25:23 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18970. | 2875. | 937.9 | 65.04 | 186.1 | 5.128 |
| Stddev | 13. | 4. | 5.0 | .27 | .9 | .993 |
| %RSD | .0677 | .1541 | .5314 | .4210 | .4945 | 19.37 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 18970. | 2875. | 934.9 | 65.35 | 186.5 | 3.985 |
| #2 | 18950. | 2870. | 935.1 | 64.83 | 186.7 | 5.783 |
| #3 | 18980. | 2879. | 943.7 | 64.95 | 185.0 | 5.616 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.022 | 4.761 | 152.6 | 120.3 | 10.67 | .9790 |
| Stddev | .332 | .939 | .2 | .3 | .61 | .3095 |
| %RSD | 10.99 | 19.71 | .1623 | .2153 | 5.682 | 31.61 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 3.141 | 4.640 | 152.4 | 120.1 | 11.14 | 1.079 |
| #2 | 3.278 | 3.889 | 152.5 | 120.2 | 9.984 | .6319 |
| #3 | 2.647 | 5.754 | 152.9 | 120.6 | 10.88 | 1.226 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-5-A@4 Acquired: 4/11/2016 22:25:23 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.697 | 50.10 | 1183. | 1147. |
| Stddev | .820 | .13 | 2. | 27. |
| %RSD | 17.45 | .2621 | .1363 | 2.355 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 5.618 | 50.17 | 1185. | 1121. |
| #2 | 4.427 | 49.95 | 1183. | 1146. |
| #3 | 4.047 | 50.18 | 1182. | 1175. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9143.9 | 62957. | 9381.2 |
| Stddev | 24.3 | 242. | 49.0 |
| %RSD | .26571 | .38431 | .52252 |

| | | | |
|----|--------|--------|--------|
| #1 | 9117.2 | 62816. | 9383.1 |
| #2 | 9164.7 | 63236. | 9429.1 |
| #3 | 9149.8 | 62819. | 9331.2 |

Sample Name: 460-111667-D-6-A@4 Acquired: 4/11/2016 22:29:07 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 47720. | 11.13 | .4063 | 1574. | 3.296 | 3288. |
| Stddev | 780. | 1.33 | .3810 | 15. | .117 | 59. |
| %RSD | 1.634 | 11.96 | 93.77 | .9694 | 3.540 | 1.790 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 47020. | 12.65 | .4025 | 1558. | 3.178 | 3228. |
| #2 | 47580. | 10.15 | .0273 | 1574. | 3.299 | 3290. |
| #3 | 48560. | 10.59 | .7893 | 1589. | 3.411 | 3345. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7872 | 32.19 | 51.70 | 3.550 | 75600. | 11490. |
| Stddev | .1613 | .42 | .99 | .256 | 1223. | 195. |
| %RSD | 20.49 | 1.301 | 1.912 | 7.209 | 1.618 | 1.696 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|--------|
| #1 | -.6015 | 31.73 | 50.59 | 3.407 | 74310. | 11290. |
| #2 | -.8691 | 32.30 | 52.04 | 3.398 | 75750. | 11490. |
| #3 | -.8912 | 32.55 | 52.48 | 3.845 | 76750. | 11680. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-6-A@4 Acquired: 4/11/2016 22:29:07 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15980. | 6822. | 579.9 | 42.81 | 50.66 | 1.342 |
| Stddev | 285. | 108. | 14.3 | .59 | .58 | .731 |
| %RSD | 1.781 | 1.586 | 2.466 | 1.375 | 1.137 | 54.47 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 15700. | 6713. | 565.4 | 42.70 | 50.25 | 2.084 |
| #2 | 15980. | 6823. | 594.0 | 42.28 | 50.40 | 1.318 |
| #3 | 16260. | 6930. | 580.2 | 43.44 | 51.32 | .6232 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.932 | 4.483 | 109.2 | 98.60 | 6.225 | 1.040 |
| Stddev | 3.857 | 1.026 | 2.0 | 1.69 | .156 | .278 |
| %RSD | 55.64 | 22.88 | 1.832 | 1.716 | 2.509 | 26.72 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.168 | 3.416 | 107.0 | 96.88 | 6.218 | .8614 |
| #2 | 11.34 | 5.461 | 109.7 | 98.67 | 6.073 | .8987 |
| #3 | 5.291 | 4.573 | 110.9 | 100.3 | 6.385 | 1.360 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111667-D-6-A@4 Acquired: 4/11/2016 22:29:07 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3.236 | 15.22 | 727.6 | 1223. |
| Stddev | 1.044 | .17 | 9.3 | 17. |
| %RSD | 32.25 | 1.091 | 1.272 | 1.364 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.935 | 15.03 | 718.5 | 1205. |
| #2 | 2.376 | 15.30 | 727.2 | 1227. |
| #3 | 4.397 | 15.33 | 737.0 | 1238. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9150.3 | 63309. | 9474.8 |
| Stddev | 9.0 | 305. | 152.8 |
| %RSD | .09854 | .48233 | 1.6125 |

| | | | |
|----|--------|--------|--------|
| #1 | 9143.1 | 63647. | 9586.2 |
| #2 | 9160.4 | 63227. | 9537.6 |
| #3 | 9147.4 | 63053. | 9300.6 |

Sample Name: 460-111532-I-1-C@4 Acquired: 4/11/2016 22:32:51 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 41040. | 18.55 | -8301 | 232.6 | 1.846 | 3549. |
| Stddev | 208. | .76 | .3532 | 1.7 | .045 | 26. |
| %RSD | .5061 | 4.081 | 42.55 | .7364 | 2.436 | .7216 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 40820. | 18.21 | -1.093 | 230.9 | 1.801 | 3525. |
| #2 | 41060. | 19.42 | -.4286 | 232.7 | 1.844 | 3546. |
| #3 | 41230. | 18.03 | -.9683 | 234.3 | 1.891 | 3576. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5244 | 28.18 | 69.65 | 26.40 | 81170. | 1926. |
| Stddev | .0291 | .38 | .48 | .52 | 465. | 29. |
| %RSD | 5.552 | 1.350 | .6884 | 1.954 | .5725 | 1.493 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.5199 | 28.02 | 69.18 | 25.88 | 80770. | 1893. |
| #2 | -.4977 | 27.91 | 69.62 | 26.91 | 81070. | 1948. |
| #3 | -.5554 | 28.62 | 70.14 | 26.41 | 81680. | 1936. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-I-1-C@4 Acquired: 4/11/2016 22:32:51 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9042. | 2543. | 307.3 | 50.27 | 30.55 | 1.602 |
| Stddev | 45. | 16. | 5.4 | .98 | .42 | .802 |
| %RSD | .4928 | .6196 | 1.765 | 1.955 | 1.378 | 50.06 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 9040. | 2528. | 301.9 | 49.73 | 30.28 | 1.582 |
| #2 | 8999. | 2540. | 312.8 | 49.68 | 30.32 | .8103 |
| #3 | 9088. | 2559. | 307.1 | 51.41 | 31.03 | 2.414 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.128 | .1579 | 118.6 | 120.2 | -.6982 | 3.660 |
| Stddev | 2.334 | 1.228 | 1.3 | 1.3 | .4840 | .235 |
| %RSD | 74.64 | 777.3 | 1.121 | 1.117 | 69.32 | 6.411 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|----------------|--------------|
| #1 | 5.616 | 1.127 | 117.1 | 118.9 | -1.152 | 3.531 |
| #2 | 2.780 | -1.222 | 119.0 | 120.1 | -1.1890 | 3.931 |
| #3 | .9868 | .5688 | 119.6 | 121.6 | -.7533 | 3.518 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-I-1-C@4 Acquired: 4/11/2016 22:32:51 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3.661 | 20.35 | 1313. | 972.7 |
| Stddev | .682 | .08 | 9. | 2.0 |
| %RSD | 18.63 | .3734 | .6931 | .2079 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3.583 | 20.27 | 1303. | 973.3 |
| #2 | 3.021 | 20.42 | 1313. | 970.4 |
| #3 | 4.379 | 20.36 | 1322. | 974.3 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9195.1 | 63471. | 9499.8 |
| Stddev | 7.7 | 466. | 95.4 |
| %RSD | .08398 | .73402 | 1.0041 |

| | | | |
|----|--------|--------|--------|
| #1 | 9187.1 | 62933. | 9400.1 |
| #2 | 9202.5 | 63717. | 9509.2 |
| #3 | 9195.8 | 63762. | 9590.1 |

Sample Name: 460-111532-H-2-H@4 Acquired: 4/11/2016 22:36:36 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 48260. | 19.93 | -.3402 | 256.0 | 2.495 | 4876. |
| Stddev | 574. | 1.11 | .5602 | 1.6 | .181 | 64. |
| %RSD | 1.190 | 5.588 | 164.7 | .6206 | 7.245 | 1.321 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 47620. | 20.93 | -.3618 | 254.4 | 2.345 | 4808. |
| #2 | 48410. | 20.14 | .2305 | 256.0 | 2.696 | 4886. |
| #3 | 48730. | 18.73 | -.8893 | 257.6 | 2.445 | 4935. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5849 | 36.81 | 80.59 | 34.96 | 104500. | 1849. |
| Stddev | .2440 | .54 | 1.02 | .36 | 1368. | 39. |
| %RSD | 41.71 | 1.469 | 1.260 | 1.030 | 1.309 | 2.124 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | -.3462 | 36.20 | 79.43 | 34.55 | 103000. | 1808. |
| #2 | -.5746 | 37.21 | 81.03 | 35.09 | 104800. | 1887. |
| #3 | -.8338 | 37.03 | 81.32 | 35.23 | 105700. | 1851. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-H-2-H@4 Acquired: 4/11/2016 22:36:36 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10470. | 4073. | 254.9 | 60.82 | 47.31 | .6117 |
| Stddev | 138. | 50. | 3.6 | .32 | .11 | .8762 |
| %RSD | 1.316 | 1.236 | 1.424 | .5200 | .2231 | 143.2 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 10320. | 4019. | 256.4 | 60.76 | 47.22 | -.3993 |
| #2 | 10490. | 4081. | 250.8 | 61.16 | 47.28 | 1.151 |
| #3 | 10600. | 4118. | 257.6 | 60.54 | 47.43 | 1.084 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.162 | 4.905 | 139.3 | 209.5 | -1.505 | 3.500 |
| Stddev | 1.812 | .834 | 2.3 | 2.6 | .280 | .124 |
| %RSD | 29.41 | 17.01 | 1.685 | 1.220 | 18.60 | 3.548 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 6.967 | 4.336 | 136.7 | 206.8 | -1.820 | 3.614 |
| #2 | 4.087 | 5.863 | 139.9 | 209.6 | -1.284 | 3.519 |
| #3 | 7.433 | 4.517 | 141.2 | 211.9 | -1.411 | 3.367 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-H-2-H@4 Acquired: 4/11/2016 22:36:36 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.005 | 37.25 | 1089. | 1120. |
| Stddev | .473 | .35 | 13. | 21. |
| %RSD | 11.80 | .9433 | 1.190 | 1.917 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3.784 | 36.91 | 1075. | 1097. |
| #2 | 3.683 | 37.24 | 1094. | 1124. |
| #3 | 4.547 | 37.61 | 1099. | 1139. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9107.5 | 63280. | 9547.7 |
| Stddev | 8.8 | 99. | 58.2 |
| %RSD | .09649 | .15574 | .60929 |

| | | | |
|----|--------|--------|--------|
| #1 | 9108.3 | 63253. | 9568.9 |
| #2 | 9115.9 | 63389. | 9592.3 |
| #3 | 9098.4 | 63197. | 9481.9 |

Sample Name: CCV Acquired: 4/11/2016 22:40:21 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 120100. | 2384. | 1174. | 9750. | 976.8 | 118100. |
| Stddev | 192. | 7. | 1. | 3. | 2.9 | 570. |
| %RSD | .1594 | .3012 | .0786 | .0330 | .2994 | .4827 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 120300. | 2390. | 1173. | 9748. | 979.3 | 117400. |
| #2 | 119900. | 2386. | 1175. | 9753. | 973.6 | 118500. |
| #3 | 120100. | 2376. | 1175. | 9748. | 977.7 | 118400. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1199. | 2394. | 4791. | 11860. | 95520. | 48340. |
| Stddev | 2. | 1. | 17. | 20. | 273. | 112. |
| %RSD | .1631 | .0478 | .3623 | .1665 | .2852 | .2309 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1198. | 2396. | 4771. | 11880. | 95210. | 48450. |
| #2 | 1198. | 2394. | 4800. | 11840. | 95700. | 48220. |
| #3 | 1201. | 2394. | 4802. | 11860. | 95660. | 48350. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 22:40:21 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 119800. | 4923. | 122700. | 2422. | 7212. | 951.8 |
| Stddev | 423. | 12. | 352. | 3. | 10. | 5.3 |
| %RSD | .3534 | .2375 | .2870 | .1305 | .1378 | .5577 |

| | | | | | | |
|----|----------------|--------------|----------------|--------------|--------------|--------------|
| #1 | 119300. | 4909. | 123100. | 2426. | 7206. | 957.8 |
| #2 | 119900. | 4927. | 122400. | 2421. | 7206. | 949.4 |
| #3 | 120100. | 4932. | 122600. | 2421. | 7223. | 948.0 |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2333. | 2398. | 2374. | 2413. | 942.9 | 2319. |
| Stddev | 15. | 12. | 5. | 10. | 4.6 | 6. |
| %RSD | .6439 | .5131 | .1916 | .4337 | .4879 | .2679 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 2349. | 2412. | 2368. | 2403. | 947.2 | 2325. |
| #2 | 2319. | 2393. | 2376. | 2413. | 943.6 | 2319. |
| #3 | 2330. | 2389. | 2377. | 2424. | 938.0 | 2312. |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 22:40:21 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 949.9 | 4887. | 9744. | 9200. |
| Stddev | 2.9 | 3. | 14. | 141. |
| %RSD | .3034 | .0587 | .1453 | 1.529 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 949.8 | 4888. | 9727. | 9038. |
| #2 | 947.1 | 4888. | 9751. | 9292. |
| #3 | 952.9 | 4883. | 9753. | 9270. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8455.9 | 58726. | 8838.5 |
| Stddev | 29.9 | 234. | 147.2 |
| %RSD | .35374 | .39788 | 1.6649 |

| | | | |
|----|--------|--------|--------|
| #1 | 8478.8 | 58995. | 8693.4 |
| #2 | 8466.8 | 58605. | 8987.7 |
| #3 | 8422.1 | 58578. | 8834.4 |

Sample Name: CCB Acquired: 4/11/2016 22:43:50 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.388 | -.7506 | .0136 | .1052 | .0476 | -17.29 |
| Stddev | 11.95 | .7609 | .0945 | .1572 | .0407 | 7.58 |
| %RSD | 272.4 | 101.4 | 696.3 | 149.4 | 85.54 | 43.88 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|--------|
| #1 | 1.476 | -.1981 | .1090 | .2848 | .0531 | -8.568 |
| #2 | 3.501 | -.4354 | -.0800 | -.0078 | .0852 | -22.36 |
| #3 | -18.14 | -1.618 | .0117 | .0387 | .0044 | -20.93 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0919 | .1080 | .0682 | 1.701 | 8.054 | 17.76 |
| Stddev | .0806 | .2211 | .3354 | .515 | 6.303 | 46.31 |
| %RSD | 87.73 | 204.7 | 491.9 | 30.31 | 78.26 | 260.7 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|--------|
| #1 | .0102 | .3630 | .1236 | 2.027 | 15.31 | 55.18 |
| #2 | .1714 | -.0311 | .3724 | 1.969 | 4.885 | -34.03 |
| #3 | .0941 | -.0079 | -.2915 | 1.107 | 3.964 | 32.14 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 22:43:50 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.607 | .2534 | 25.24 | -.1238 | .3077 | -1.787 |
| Stddev | 3.997 | .0954 | 14.22 | .3924 | .7237 | .957 |
| %RSD | 248.7 | 37.64 | 56.35 | 317.0 | 235.2 | 53.59 |

| | | | | | | |
|----|---------------|--------------|--------------|---------------|---------------|---------------|
| #1 | -.2382 | .2710 | 41.34 | -.3586 | -.0630 | -1.805 |
| #2 | 6.194 | .3388 | 19.96 | .3292 | -.1554 | -.8201 |
| #3 | -1.134 | .1504 | 14.41 | -.3419 | 1.142 | -2.735 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.249 | -2.302 | -.1843 | -.0506 | 1.869 | .7394 |
| Stddev | 1.711 | 1.431 | .2310 | .0316 | .828 | .2520 |
| %RSD | 137.0 | 62.16 | 125.4 | 62.38 | 44.27 | 34.08 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|--------------|--------------|
| #1 | 3.119 | -1.388 | -.3617 | -.0855 | 2.721 | .9482 |
| #2 | .8663 | -3.952 | -.2680 | -.0425 | 1.819 | .8104 |
| #3 | -.2384 | -1.567 | .0769 | -.0239 | 1.068 | .4595 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 22:43:50 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .3138 | .2567 | .9190 | -9.057 |
| Stddev | .3999 | .0764 | .2775 | 6.753 |
| %RSD | 127.4 | 29.75 | 30.19 | 74.56 |

| | | | | |
|----|---------------|--------------|--------------|---------------|
| #1 | -.1279 | .3441 | .9523 | -10.04 |
| #2 | .4180 | .2027 | .6264 | -15.26 |
| #3 | .6514 | .2234 | 1.178 | -1.867 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8929.9 | 61136. | 8969.9 |
| Stddev | 25.5 | 272. | 160.2 |
| %RSD | .28558 | .44507 | 1.7863 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8935.0 | 60846. | 8785.0 |
| #2 | 8952.4 | 61386. | 9056.3 |
| #3 | 8902.2 | 61176. | 9068.4 |

Sample Name: 460-111532-H-3-E@4 Acquired: 4/11/2016 22:51:36 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36930. | 13.17 | -.8384 | 250.3 | 1.615 | 6422. |
| Stddev | 296. | 1.45 | .1992 | 1.8 | .131 | 47. |
| %RSD | .8019 | 11.03 | 23.76 | .7342 | 8.110 | .7316 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 36620. | 14.32 | -.9894 | 248.4 | 1.483 | 6384. |
| #2 | 36960. | 13.65 | -.9131 | 250.3 | 1.618 | 6475. |
| #3 | 37210. | 11.54 | -.6126 | 252.1 | 1.745 | 6408. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9197 | 24.42 | 77.82 | 48.05 | 77710. | 2028. |
| Stddev | .1781 | .12 | .93 | .37 | 634. | 5. |
| %RSD | 19.37 | .4710 | 1.197 | .7693 | .8161 | .2347 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.7357 | 24.30 | 77.00 | 48.42 | 77030. | 2022. |
| #2 | -.9319 | 24.53 | 77.62 | 47.68 | 77820. | 2031. |
| #3 | -1.091 | 24.41 | 78.83 | 48.05 | 78280. | 2029. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-H-3-E@4 Acquired: 4/11/2016 22:51:36 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9336. | 1423. | 425.3 | 52.29 | 20.64 | 2.981 |
| Stddev | 89. | 12. | 7.2 | .13 | 1.87 | 2.230 |
| %RSD | .9485 | .8248 | 1.682 | .2568 | 9.064 | 74.82 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 9239. | 1411. | 432.9 | 52.25 | 19.08 | 4.945 |
| #2 | 9355. | 1424. | 418.7 | 52.18 | 22.71 | 3.443 |
| #3 | 9413. | 1434. | 424.1 | 52.44 | 20.12 | .5560 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.819 | 3.059 | 113.8 | 128.0 | .2769 | 2.763 |
| Stddev | 2.591 | 1.465 | .6 | 1.1 | .1413 | .416 |
| %RSD | 142.4 | 47.88 | .5331 | .8782 | 51.06 | 15.07 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | -1.115 | 2.067 | 113.2 | 126.7 | .2481 | 2.340 |
| #2 | 3.789 | 2.369 | 113.8 | 128.7 | .1521 | 2.775 |
| #3 | 2.784 | 4.742 | 114.4 | 128.7 | .4304 | 3.173 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-H-3-E@4 Acquired: 4/11/2016 22:51:36 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2.556 | 27.38 | 1061. | 721.4 |
| Stddev | .292 | .21 | 8. | 14.3 |
| %RSD | 11.44 | .7779 | .7166 | 1.978 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.410 | 27.15 | 1053. | 737.8 |
| #2 | 2.893 | 27.43 | 1061. | 714.2 |
| #3 | 2.366 | 27.56 | 1068. | 712.2 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9171.5 | 63554. | 9523.7 |
| Stddev | 41.3 | 196. | 59.6 |
| %RSD | .45035 | .30910 | .62583 |

| | | | |
|----|--------|--------|--------|
| #1 | 9127.3 | 63341. | 9521.1 |
| #2 | 9178.1 | 63591. | 9465.4 |
| #3 | 9209.1 | 63729. | 9584.5 |

Sample Name: 460-111532-G-4-B@4 Acquired: 4/11/2016 22:55:21 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 31640. | 15.21 | -.5938 | 188.7 | 1.521 | 6279. |
| Stddev | 634. | 1.06 | .5466 | 2.2 | .018 | 140. |
| %RSD | 2.004 | 6.963 | 92.05 | 1.171 | 1.196 | 2.230 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 31040. | 14.09 | -.0505 | 186.7 | 1.511 | 6140. |
| #2 | 31580. | 16.19 | -1.144 | 188.4 | 1.510 | 6278. |
| #3 | 32300. | 15.35 | -.5873 | 191.1 | 1.542 | 6420. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5056 | 25.73 | 59.37 | 37.99 | 70880. | 1682. |
| Stddev | .1327 | .55 | 1.77 | .67 | 1395. | 23. |
| %RSD | 26.24 | 2.136 | 2.990 | 1.755 | 1.968 | 1.373 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.4639 | 25.09 | 57.58 | 37.31 | 69500. | 1666. |
| #2 | -.3987 | 26.04 | 59.38 | 38.01 | 70860. | 1671. |
| #3 | -.6541 | 26.04 | 61.13 | 38.64 | 72290. | 1709. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-G-4-B@4 Acquired: 4/11/2016 22:55:21 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8104. | 2319. | 292.4 | 38.35 | 54.82 | 1.460 |
| Stddev | 155. | 44. | 3.4 | .58 | 3.03 | 1.132 |
| %RSD | 1.916 | 1.909 | 1.169 | 1.526 | 5.526 | 77.52 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 7940. | 2275. | 289.4 | 37.69 | 52.54 | .3731 |
| #2 | 8123. | 2319. | 296.1 | 38.54 | 53.67 | 2.632 |
| #3 | 8249. | 2364. | 291.6 | 38.81 | 58.26 | 1.375 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.909 | 2.450 | 119.4 | 134.5 | 1.145 | 2.749 |
| Stddev | 3.116 | 2.260 | 3.0 | 2.5 | .135 | .114 |
| %RSD | 79.71 | 92.23 | 2.472 | 1.847 | 11.81 | 4.147 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 6.451 | -.1497 | 116.9 | 131.8 | 1.298 | 2.716 |
| #2 | 4.843 | 3.558 | 118.7 | 134.9 | 1.095 | 2.655 |
| #3 | .4331 | 3.943 | 122.7 | 136.7 | 1.042 | 2.876 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-G-4-B@4 Acquired: 4/11/2016 22:55:21 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3.196 | 26.15 | 839.5 | 901.6 |
| Stddev | .486 | .47 | 15.0 | 21.5 |
| %RSD | 15.22 | 1.812 | 1.784 | 2.388 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.739 | 25.67 | 824.7 | 885.9 |
| #2 | 3.707 | 26.17 | 839.2 | 892.8 |
| #3 | 3.142 | 26.62 | 854.7 | 926.2 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9116.9 | 63008. | 9505.9 |
| Stddev | 25.6 | 180. | 11.7 |
| %RSD | .28060 | .28609 | .12303 |

| | | | |
|----|--------|--------|--------|
| #1 | 9103.1 | 62853. | 9516.7 |
| #2 | 9101.2 | 63206. | 9507.5 |
| #3 | 9146.5 | 62965. | 9493.5 |

Sample Name: 460-111532-G-5-B@4 Acquired: 4/11/2016 22:59:06 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 32170. | 14.05 | -.4607 | 195.3 | 1.667 | 7117. |
| Stddev | 164. | 1.31 | .2078 | .1 | .101 | 71. |
| %RSD | .5105 | 9.287 | 45.09 | .0672 | 6.040 | 1.003 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 31990. | 13.59 | -.6667 | 195.2 | 1.717 | 7049. |
| #2 | 32220. | 15.52 | -.2512 | 195.4 | 1.733 | 7110. |
| #3 | 32310. | 13.03 | -.4643 | 195.3 | 1.551 | 7191. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6987 | 30.79 | 57.79 | 54.20 | 73080. | 1742. |
| Stddev | .1446 | .29 | .45 | .45 | 668. | 19. |
| %RSD | 20.69 | .9499 | .7829 | .8291 | .9137 | 1.107 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.5389 | 30.52 | 57.92 | 54.69 | 72350. | 1725. |
| #2 | -.7366 | 30.74 | 57.29 | 54.10 | 73230. | 1738. |
| #3 | -.8205 | 31.10 | 58.16 | 53.80 | 73660. | 1763. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-G-5-B@4 Acquired: 4/11/2016 22:59:06 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9096. | 2581. | 332.3 | 42.94 | 44.92 | 2.532 |
| Stddev | 127. | 22. | 3.2 | .56 | 1.10 | 2.887 |
| %RSD | 1.396 | .8387 | .9735 | 1.315 | 2.437 | 114.0 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|---------------|
| #1 | 8966. | 2557. | 330.0 | 42.55 | 43.67 | -.1394 |
| #2 | 9104. | 2585. | 336.0 | 43.58 | 45.39 | 2.140 |
| #3 | 9219. | 2600. | 331.0 | 42.68 | 45.71 | 5.595 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.739 | 2.789 | 125.3 | 123.4 | 4.307 | 2.810 |
| Stddev | 1.670 | 2.247 | .4 | .9 | .560 | .356 |
| %RSD | 60.99 | 80.58 | .3460 | .7484 | 12.99 | 12.68 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 1.232 | .9630 | 124.8 | 122.4 | 4.949 | 2.459 |
| #2 | 2.449 | 2.105 | 125.5 | 124.1 | 3.922 | 2.799 |
| #3 | 4.535 | 5.299 | 125.6 | 123.8 | 4.051 | 3.172 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-G-5-B@4 Acquired: 4/11/2016 22:59:06 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3.431 | 25.86 | 1031. | 887.7 |
| Stddev | .443 | .14 | 3. | 9.4 |
| %RSD | 12.91 | .5239 | .2560 | 1.055 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3.486 | 25.97 | 1028. | 897.4 |
| #2 | 3.844 | 25.71 | 1031. | 886.9 |
| #3 | 2.964 | 25.90 | 1033. | 878.7 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9089.7 | 62350. | 9340.1 |
| Stddev | 27.5 | 667. | 180.0 |
| %RSD | .30292 | 1.0698 | 1.9270 |

| | | | |
|----|--------|--------|--------|
| #1 | 9088.8 | 62994. | 9525.9 |
| #2 | 9062.7 | 62394. | 9327.8 |
| #3 | 9117.7 | 61662. | 9166.6 |

Sample Name: 460-111532-H-7-D@4 Acquired: 4/11/2016 23:06:34 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 50320. | 19.27 | -.3124 | 368.8 | 2.326 | 5733. |
| Stddev | 773. | 1.80 | .4017 | 3.1 | .141 | 86. |
| %RSD | 1.535 | 9.355 | 128.6 | .8341 | 6.065 | 1.505 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 49470. | 17.41 | -.6043 | 365.4 | 2.488 | 5636. |
| #2 | 50520. | 19.41 | .1458 | 369.6 | 2.247 | 5764. |
| #3 | 50970. | 21.01 | -.4785 | 371.4 | 2.241 | 5800. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4835 | 33.49 | 81.25 | 48.64 | 90730. | 2038. |
| Stddev | .0488 | .30 | 1.01 | .41 | 1161. | 28. |
| %RSD | 10.09 | .8947 | 1.242 | .8510 | 1.280 | 1.367 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.4462 | 33.17 | 80.28 | 48.42 | 89470. | 2006. |
| #2 | -.4656 | 33.56 | 81.16 | 48.38 | 90990. | 2052. |
| #3 | -.5388 | 33.75 | 82.29 | 49.12 | 91750. | 2056. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-H-7-D@4 Acquired: 4/11/2016 23:06:34 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9297. | 3039. | 221.8 | 48.36 | 108.5 | 2.279 |
| Stddev | 129. | 41. | 5.1 | .17 | 1.3 | 2.024 |
| %RSD | 1.387 | 1.349 | 2.313 | .3450 | 1.194 | 88.77 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 9155. | 2995. | 218.9 | 48.54 | 107.1 | 2.312 |
| #2 | 9330. | 3047. | 218.9 | 48.33 | 109.6 | .2401 |
| #3 | 9407. | 3076. | 227.8 | 48.21 | 109.0 | 4.287 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.278 | 1.591 | 162.7 | 203.8 | -.5056 | 3.553 |
| Stddev | 1.489 | 1.243 | 3.1 | 2.4 | .5105 | .362 |
| %RSD | 23.72 | 78.11 | 1.903 | 1.156 | 101.0 | 10.18 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 5.062 | 1.314 | 159.7 | 201.1 | -.9032 | 3.137 |
| #2 | 5.833 | .5104 | 162.4 | 204.6 | -.6836 | 3.732 |
| #3 | 7.939 | 2.950 | 165.8 | 205.6 | .0701 | 3.790 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-H-7-D@4 Acquired: 4/11/2016 23:06:34 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.436 | 27.90 | 662.9 | 986.4 |
| Stddev | .403 | .48 | 7.4 | 25.9 |
| %RSD | 7.412 | 1.712 | 1.115 | 2.623 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 5.785 | 27.38 | 654.9 | 960.5 |
| #2 | 4.995 | 28.01 | 664.2 | 986.4 |
| #3 | 5.529 | 28.32 | 669.5 | 1012. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9166.1 | 63482. | 9575.6 |
| Stddev | 47.3 | 343. | 52.2 |
| %RSD | .51597 | .54038 | .54552 |

| | | | |
|----|--------|--------|--------|
| #1 | 9119.5 | 63099. | 9547.8 |
| #2 | 9164.8 | 63586. | 9543.1 |
| #3 | 9214.0 | 63761. | 9635.8 |

Sample Name: 460-111532-F-8-B@4 Acquired: 4/11/2016 23:10:19 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 48460. | 22.34 | -.1642 | 405.3 | 3.368 | 16620. |
| Stddev | 195. | 1.63 | .1500 | .9 | .146 | 41. |
| %RSD | .4027 | 7.305 | 91.35 | .2207 | 4.348 | .2484 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 48240. | 22.38 | -.1556 | 406.3 | 3.319 | 16570. |
| #2 | 48590. | 23.96 | -.3182 | 404.8 | 3.251 | 16640. |
| #3 | 48560. | 20.69 | -.0186 | 404.7 | 3.532 | 16640. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7332 | 32.88 | 83.64 | 43.27 | 100500. | 2204. |
| Stddev | .1362 | .19 | .43 | .17 | 277. | 8. |
| %RSD | 18.58 | .5764 | .5197 | .3891 | .2755 | .3592 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | -.5991 | 32.70 | 83.67 | 43.09 | 100200. | 2195. |
| #2 | -.7291 | 33.08 | 84.06 | 43.28 | 100700. | 2206. |
| #3 | -.8714 | 32.85 | 83.19 | 43.42 | 100400. | 2210. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-F-8-B@4 Acquired: 4/11/2016 23:10:19 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 13690. | 3554. | 351.1 | 42.92 | 104.3 | 4.211 |
| Stddev | 34. | 8. | 3.2 | .53 | 1.0 | 1.417 |
| %RSD | .2453 | .2178 | .9088 | 1.232 | .9811 | 33.64 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 13650. | 3546. | 353.1 | 42.36 | 105.5 | 4.264 |
| #2 | 13690. | 3561. | 347.4 | 43.41 | 103.7 | 5.601 |
| #3 | 13720. | 3556. | 352.8 | 43.01 | 103.8 | 2.769 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.316 | 2.998 | 154.3 | 189.6 | 3.682 | 5.948 |
| Stddev | 2.221 | 3.086 | .1 | .5 | .096 | .137 |
| %RSD | 51.46 | 103.0 | .0911 | .2477 | 2.598 | 2.307 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 2.004 | 5.138 | 154.1 | 189.3 | 3.791 | 6.099 |
| #2 | 4.510 | -.5401 | 154.2 | 189.4 | 3.646 | 5.914 |
| #3 | 6.433 | 4.395 | 154.4 | 190.2 | 3.610 | 5.831 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-F-8-B@4 Acquired: 4/11/2016 23:10:19 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.517 | 51.41 | 599.3 | 831.1 |
| Stddev | .744 | .16 | 1.0 | 14.0 |
| %RSD | 16.46 | .3071 | .1706 | 1.686 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3.945 | 51.41 | 598.6 | 817.8 |
| #2 | 5.358 | 51.57 | 600.4 | 829.8 |
| #3 | 4.248 | 51.26 | 598.7 | 845.7 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9113.5 | 63353. | 9545.9 |
| Stddev | 31.7 | 233. | 17.4 |
| %RSD | .34835 | .36851 | .18209 |

| | | | |
|----|--------|--------|--------|
| #1 | 9076.8 | 63087. | 9563.8 |
| #2 | 9131.5 | 63447. | 9529.1 |
| #3 | 9132.0 | 63524. | 9544.9 |

Sample Name: 460-110623-C-10-A@20 Acquired: 4/11/2016 20:43:25 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2117. | -1.471 | -5493 | 4.620 | .0995 | 527.4 |
| Stddev | 6. | 1.384 | .2176 | .215 | .1301 | 9.8 |
| %RSD | .3003 | 94.10 | 39.61 | 4.662 | 130.8 | 1.855 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|-------|
| #1 | 2124. | -2.116 | -.7997 | 4.671 | -.0226 | 535.3 |
| #2 | 2117. | .1181 | -.4425 | 4.804 | .0846 | 516.4 |
| #3 | 2111. | -2.414 | -.4059 | 4.383 | .2363 | 530.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.1173 | -.0927 | 1.613 | 2.714 | 446.9 | 28.35 |
| Stddev | .0718 | .2272 | .220 | .140 | 6.6 | 32.93 |
| %RSD | 61.18 | 245.1 | 13.62 | 5.163 | 1.467 | 116.2 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | -.0710 | .1146 | 1.359 | 2.746 | 454.4 | 66.35 |
| #2 | -.0809 | -.3356 | 1.740 | 2.835 | 444.1 | 10.60 |
| #3 | -.1999 | -.0570 | 1.740 | 2.560 | 442.3 | 8.099 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-10-A@20 Acquired: 4/11/2016 20:43:25 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 112.6 | 11.83 | 54.71 | .9623 | 9.875 | -.9454 |
| Stddev | 2.3 | .02 | 4.58 | .3106 | 1.050 | 1.570 |
| %RSD | 2.081 | .1684 | 8.367 | 32.27 | 10.64 | 166.1 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 110.8 | 11.85 | 56.20 | .6310 | 8.735 | -.6135 |
| #2 | 111.7 | 11.82 | 58.35 | 1.009 | 10.80 | .4325 |
| #3 | 115.2 | 11.81 | 49.57 | 1.247 | 10.08 | -2.655 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.831 | -2.059 | 1.802 | 2.667 | 1.091 | -.5097 |
| Stddev | 1.262 | 2.949 | .412 | .139 | .056 | .0981 |
| %RSD | 68.94 | 143.2 | 22.89 | 5.226 | 5.171 | 19.24 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | 2.896 | -1.943 | 2.137 | 2.597 | 1.100 | -.4054 |
| #2 | 2.160 | -5.064 | 1.341 | 2.576 | 1.031 | -.5237 |
| #3 | .4369 | .8299 | 1.927 | 2.827 | 1.143 | -.6000 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-10-A@20 Acquired: 4/11/2016 20:43:25 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1717 | 6.406 | 25.98 | 95.98 |
| Stddev | .5329 | .086 | .20 | 15.97 |
| %RSD | 310.4 | 1.340 | .7833 | 16.64 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .6263 | 6.420 | 25.83 | 86.04 |
| #2 | -.4148 | 6.314 | 26.21 | 87.50 |
| #3 | .3037 | 6.484 | 25.90 | 114.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9033.0 | 63118. | 9545.1 |
| Stddev | 6.3 | 638. | 162.0 |
| %RSD | .06925 | 1.0111 | 1.6969 |

| | | | |
|----|--------|--------|--------|
| #1 | 9029.9 | 62390. | 9358.8 |
| #2 | 9028.9 | 63386. | 9652.8 |
| #3 | 9040.2 | 63579. | 9623.6 |

Sample Name: CCVL Acquired: 4/11/2016 22:47:44 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 201.7 | 13.48 | 8.862 | 200.8 | 1.926 | 4885. |
| Stddev | 11.0 | 1.17 | .489 | .2 | .082 | 15. |
| %RSD | 5.461 | 8.645 | 5.513 | .1083 | 4.236 | .3084 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 205.4 | 14.68 | 8.450 | 200.7 | 1.938 | 4868. |
| #2 | 189.3 | 13.42 | 9.402 | 201.0 | 1.838 | 4890. |
| #3 | 210.4 | 12.35 | 8.735 | 200.6 | 2.000 | 4897. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.960 | 50.49 | 9.601 | 25.33 | 160.3 | 4858. |
| Stddev | .012 | .27 | .511 | .26 | 7.9 | 28. |
| %RSD | .2943 | .5387 | 5.319 | 1.032 | 4.939 | .5785 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.967 | 50.24 | 9.263 | 25.14 | 151.3 | 4826. |
| #2 | 3.947 | 50.46 | 10.19 | 25.23 | 163.3 | 4869. |
| #3 | 3.967 | 50.78 | 9.353 | 25.63 | 166.2 | 4879. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 22:47:44 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4879. | 16.09 | 4928. | 41.34 | 10.59 | 17.86 |
| Stddev | 27. | .09 | 10. | .38 | .70 | 2.54 |
| %RSD | .5508 | .5617 | .2068 | .9151 | 6.568 | 14.25 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4848. | 15.98 | 4939. | 41.26 | 9.934 | 14.92 |
| #2 | 4890. | 16.14 | 4923. | 41.01 | 10.52 | 19.20 |
| #3 | 4898. | 16.14 | 4921. | 41.75 | 11.32 | 19.44 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.71 | 18.48 | 49.28 | 30.52 | 47.97 | 18.57 |
| Stddev | 1.48 | .87 | .59 | .05 | .22 | .35 |
| %RSD | 7.504 | 4.684 | 1.201 | .1524 | .4561 | 1.877 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 20.48 | 17.55 | 48.66 | 30.55 | 48.17 | 18.31 |
| #2 | 20.64 | 18.61 | 49.84 | 30.47 | 47.73 | 18.97 |
| #3 | 18.01 | 19.27 | 49.33 | 30.55 | 48.00 | 18.44 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 22:47:44 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 47.95 | 20.58 | 20.30 | F -9.673 |
| Stddev | .36 | .20 | .23 | 8.641 |
| %RSD | .7523 | .9730 | 1.127 | 89.33 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 47.71 | 20.34 | 20.30 | .2898 |
| #2 | 47.78 | 20.68 | 20.53 | -14.19 |
| #3 | 48.37 | 20.70 | 20.08 | -15.13 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8913.1 | 60867. | 8891.6 |
| Stddev | 15.9 | 56. | 30.0 |
| %RSD | .17811 | .09159 | .33747 |

| | | | |
|----|--------|--------|--------|
| #1 | 8895.4 | 60890. | 8864.4 |
| #2 | 8926.1 | 60908. | 8886.4 |
| #3 | 8917.9 | 60804. | 8923.8 |

Sample Name: 460-111532-F-9-B@4 Acquired: 4/11/2016 23:14:04 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 44880. | 15.78 | -.8510 | 262.0 | 2.257 | 4904. |
| Stddev | 227. | 1.57 | .5426 | .8 | .210 | 33. |
| %RSD | .5064 | 9.943 | 63.76 | .3050 | 9.302 | .6669 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 44640. | 15.62 | -.5490 | 261.0 | 2.057 | 4870. |
| #2 | 44910. | 14.30 | -1.478 | 262.3 | 2.238 | 4907. |
| #3 | 45100. | 17.42 | -.5267 | 262.5 | 2.475 | 4935. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7146 | 33.94 | 73.79 | 36.18 | 80970. | 1805. |
| Stddev | .0777 | .10 | 1.05 | .35 | 444. | 23. |
| %RSD | 10.87 | .2984 | 1.428 | .9672 | .5489 | 1.290 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.6725 | 33.99 | 72.60 | 36.51 | 80490. | 1785. |
| #2 | -.6671 | 34.00 | 74.19 | 35.81 | 81060. | 1799. |
| #3 | -.8043 | 33.82 | 74.58 | 36.20 | 81360. | 1831. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-F-9-B@4 Acquired: 4/11/2016 23:14:04 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8887. | 1669. | 199.9 | 43.18 | 92.26 | 3.430 |
| Stddev | 62. | 9. | 2.3 | .43 | .69 | .627 |
| %RSD | .6933 | .5289 | 1.152 | 1.002 | .7443 | 18.28 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 8819. | 1660. | 198.7 | 42.70 | 91.48 | 2.832 |
| #2 | 8902. | 1672. | 198.3 | 43.27 | 92.77 | 4.082 |
| #3 | 8939. | 1677. | 202.5 | 43.56 | 92.53 | 3.374 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.875 | 1.110 | 146.1 | 166.4 | -7023 | 3.537 |
| Stddev | 1.350 | .958 | 1.0 | 1.4 | .4224 | .394 |
| %RSD | 22.98 | 86.30 | .6988 | .8405 | 60.15 | 11.15 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|---------------|--------------|
| #1 | 7.431 | 1.423 | 144.9 | 164.9 | -.2730 | 3.200 |
| #2 | 5.009 | 1.872 | 146.6 | 166.8 | -.7163 | 3.970 |
| #3 | 5.186 | .0347 | 146.7 | 167.6 | -1.118 | 3.440 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-F-9-B@4 Acquired: 4/11/2016 23:14:04 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.712 | 27.74 | 664.5 | 915.0 |
| Stddev | .866 | .12 | 3.2 | 15.1 |
| %RSD | 18.38 | .4223 | .4787 | 1.651 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 5.500 | 27.61 | 661.2 | 927.5 |
| #2 | 4.851 | 27.84 | 664.7 | 919.4 |
| #3 | 3.785 | 27.77 | 667.6 | 898.2 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8993.2 | 61727. | 9338.8 |
| Stddev | 25.4 | 254. | 73.9 |
| %RSD | .28196 | .41168 | .79158 |

| | | | |
|----|--------|--------|--------|
| #1 | 8966.7 | 61565. | 9275.7 |
| #2 | 8995.7 | 61596. | 9420.1 |
| #3 | 9017.2 | 62020. | 9320.6 |

Sample Name: 460-111532-F-10-B@4 Acquired: 4/11/2016 23:17:49 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 41430. | 16.53 | -.4963 | 278.9 | 2.206 | 4407. |
| Stddev | 359. | 1.44 | .3927 | 2.2 | .045 | 62. |
| %RSD | .8659 | 8.726 | 79.13 | .7760 | 2.035 | 1.416 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 41090. | 14.86 | -.2589 | 276.7 | 2.165 | 4338. |
| #2 | 41410. | 17.26 | -.2803 | 279.2 | 2.199 | 4422. |
| #3 | 41800. | 17.45 | -.9496 | 281.0 | 2.254 | 4460. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6503 | 31.61 | 66.58 | 38.23 | 80640. | 1629. |
| Stddev | .1583 | .29 | .62 | .10 | 773. | 9. |
| %RSD | 24.35 | .9166 | .9302 | .2506 | .9584 | .5374 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.6105 | 31.29 | 66.19 | 38.12 | 79780. | 1624. |
| #2 | -.5157 | 31.67 | 66.25 | 38.29 | 80850. | 1624. |
| #3 | -.8247 | 31.87 | 67.29 | 38.28 | 81280. | 1639. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-F-10-B@4 Acquired: 4/11/2016 23:17:49 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7503. | 2717. | 171.4 | 40.03 | 91.97 | 1.931 |
| Stddev | 76. | 27. | 6.9 | .15 | .95 | 1.001 |
| %RSD | 1.014 | .9779 | 4.025 | .3674 | 1.030 | 51.81 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 7418. | 2689. | 166.3 | 40.12 | 91.07 | 1.230 |
| #2 | 7528. | 2723. | 179.3 | 39.86 | 91.89 | 3.077 |
| #3 | 7564. | 2741. | 168.7 | 40.12 | 92.96 | 1.487 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.484 | 2.486 | 137.0 | 163.8 | -1.180 | 2.977 |
| Stddev | 2.375 | 1.801 | 1.2 | 1.9 | .276 | .182 |
| %RSD | 68.15 | 72.45 | .9121 | 1.134 | 23.43 | 6.105 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 2.044 | 4.543 | 135.6 | 161.9 | -1.446 | 2.767 |
| #2 | 6.225 | 1.193 | 137.2 | 163.9 | -.8939 | 3.081 |
| #3 | 2.184 | 1.721 | 138.0 | 165.6 | -1.199 | 3.083 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-F-10-B@4 Acquired: 4/11/2016 23:17:49 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.408 | 22.74 | 480.9 | 743.8 |
| Stddev | .871 | .13 | 3.7 | 6.7 |
| %RSD | 19.76 | .5814 | .7740 | .9006 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3.745 | 22.59 | 477.0 | 737.7 |
| #2 | 5.394 | 22.79 | 481.4 | 751.0 |
| #3 | 4.083 | 22.83 | 484.3 | 742.9 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9090.5 | 63202. | 9520.5 |
| Stddev | 32.7 | 111. | 49.1 |
| %RSD | .35927 | .17560 | .51601 |

| | | | |
|----|--------|--------|--------|
| #1 | 9064.4 | 63075. | 9490.2 |
| #2 | 9127.1 | 63246. | 9494.1 |
| #3 | 9080.0 | 63283. | 9577.1 |

Sample Name: 460-111699-C-4-A@4 Acquired: 4/11/2016 23:21:34 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 833.1 | .0514 | 1.512 | 16.45 | -.1149 | 8923. |
| Stddev | 9.5 | .8043 | .017 | .09 | .1460 | 147. |
| %RSD | 1.146 | 1565. | 1.097 | .5534 | 127.1 | 1.651 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|---------------|--------------|
| #1 | 823.7 | -.7440 | 1.495 | 16.44 | .0477 | 8821. |
| #2 | 842.8 | .8642 | 1.514 | 16.37 | -.1577 | 8856. |
| #3 | 832.9 | .0339 | 1.528 | 16.55 | -.2347 | 9092. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 787.3 | .3211 | 55.26 | 36.90 | 767.1 | 143.5 |
| Stddev | 7.2 | .1714 | .38 | .61 | 12.6 | 18.9 |
| %RSD | .9204 | 53.37 | .6851 | 1.665 | 1.638 | 13.19 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 779.4 | .4284 | 55.26 | 36.50 | 757.8 | 165.3 |
| #2 | 789.0 | .4114 | 54.88 | 36.59 | 762.1 | 131.6 |
| #3 | 793.6 | .1235 | 55.64 | 37.61 | 781.4 | 133.5 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111699-C-4-A@4 Acquired: 4/11/2016 23:21:34 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1260. | 17.42 | 2025. | 29.54 | 4.744 | 1.878 |
| Stddev | 19. | .31 | 43. | .63 | .805 | 1.509 |
| %RSD | 1.509 | 1.799 | 2.120 | 2.117 | 16.98 | 80.32 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1242. | 17.13 | 1987. | 28.84 | 5.193 | 2.407 |
| #2 | 1259. | 17.37 | 2017. | 29.77 | 5.224 | 3.051 |
| #3 | 1280. | 17.76 | 2071. | 30.02 | 3.814 | .1764 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.400 | -6.542 | 3.815 | 45.37 | 32.45 | 9.128 |
| Stddev | 2.941 | 1.156 | .243 | .41 | .35 | .309 |
| %RSD | 122.5 | 17.68 | 6.372 | .9019 | 1.072 | 3.383 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | 5.254 | -7.282 | 3.824 | 44.91 | 32.06 | 9.311 |
| #2 | -.6216 | -7.136 | 3.567 | 45.53 | 32.57 | 8.771 |
| #3 | 2.568 | -5.210 | 4.053 | 45.68 | 32.73 | 9.301 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111699-C-4-A@4 Acquired: 4/11/2016 23:21:34 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.559 | 70.27 | 13.77 | 761.6 |
| Stddev | .360 | 1.39 | .13 | 17.6 |
| %RSD | 6.477 | 1.973 | .9788 | 2.316 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 5.957 | 68.78 | 13.62 | 747.0 |
| #2 | 5.256 | 70.50 | 13.79 | 756.6 |
| #3 | 5.464 | 71.52 | 13.89 | 781.2 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8911.4 | 62056. | 9228.6 |
| Stddev | 52.4 | 705. | 150.6 |
| %RSD | .58838 | 1.1362 | 1.6316 |

| | | | |
|----|--------|--------|--------|
| #1 | 8851.4 | 61402. | 9078.5 |
| #2 | 8934.9 | 62803. | 9379.6 |
| #3 | 8948.0 | 61963. | 9227.7 |

Sample Name: 460-111637-J-1-A@4 Acquired: 4/11/2016 23:25:26 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 65400. | 58.06 | .0932 | 391.9 | 3.223 | 52290. |
| Stddev | 580. | .38 | .2893 | 2.5 | .123 | 358. |
| %RSD | .8875 | .6530 | 310.3 | .6477 | 3.800 | .6850 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 64770. | 57.65 | .0991 | 388.9 | 3.188 | 51910. |
| #2 | 65520. | 58.16 | .3796 | 393.2 | 3.121 | 52330. |
| #3 | 65910. | 58.39 | -.1990 | 393.4 | 3.359 | 52620. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.970 | 62.97 | 106.3 | 173.0 | 147000. | 4919. |
| Stddev | .115 | .51 | .9 | 1.3 | 880. | 65. |
| %RSD | 1.642 | .8134 | .8481 | .7282 | .5991 | 1.318 |

| | | | | | | |
|----|-------|-------|-------|-------|---------|-------|
| #1 | 7.053 | 62.41 | 105.6 | 172.7 | 146000. | 4848. |
| #2 | 7.019 | 63.09 | 106.0 | 171.9 | 147100. | 4932. |
| #3 | 6.840 | 63.41 | 107.3 | 174.3 | 147800. | 4976. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111637-J-1-A@4 Acquired: 4/11/2016 23:25:26 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 38620. | 3634. | 1477. | 146.0 | 3411. | 22.29 |
| Stddev | 166. | 22. | 13. | 1.2 | 25. | .48 |
| %RSD | .4300 | .6016 | .8516 | .8082 | .7440 | 2.143 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 38440. | 3611. | 1464. | 145.2 | 3384. | 22.01 |
| #2 | 38670. | 3636. | 1479. | 145.4 | 3413. | 22.84 |
| #3 | 38760. | 3655. | 1488. | 147.3 | 3435. | 22.02 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.169 | 6.011 | 103.9 | 468.0 | 2.983 | 4.130 |
| Stddev | 3.938 | 2.636 | .6 | 3.0 | .147 | .433 |
| %RSD | 63.84 | 43.86 | .5614 | .6360 | 4.914 | 10.49 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 8.522 | 3.025 | 103.3 | 464.7 | 3.152 | 4.023 |
| #2 | 1.623 | 8.017 | 103.7 | 468.9 | 2.888 | 3.760 |
| #3 | 8.362 | 6.990 | 104.5 | 470.4 | 2.909 | 4.607 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111637-J-1-A@4 Acquired: 4/11/2016 23:25:26 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 12.07 | 120.0 | 148.6 | 1477. |
| Stddev | .59 | 1.0 | 1.8 | 4. |
| %RSD | 4.917 | .8068 | 1.199 | .2553 |

| | | | | |
|----|--------------|--------------|--------------|--------------|
| #1 | 12.48 | 118.9 | 146.7 | 1479. |
| #2 | 11.39 | 120.3 | 148.8 | 1478. |
| #3 | 12.33 | 120.7 | 150.2 | 1472. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8973.5 | 62259. | 9426.3 |
| Stddev | 37.5 | 548. | 20.7 |
| %RSD | .41755 | .88080 | .21912 |

| | | | |
|----|--------|--------|--------|
| #1 | 8931.6 | 61652. | 9420.0 |
| #2 | 8985.0 | 62410. | 9409.5 |
| #3 | 9003.9 | 62717. | 9449.3 |

Sample Name: CCV Acquired: 4/11/2016 23:29:10 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121400. | 2416. | 1187. | 9816. | 992.1 | 119500. |
| Stddev | 292. | 3. | 1. | 10. | .9 | 518. |
| %RSD | .2406 | .1166 | .1257 | .1010 | .0942 | .4333 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 121200. | 2415. | 1186. | 9807. | 991.5 | 118900. |
| #2 | 121200. | 2414. | 1187. | 9813. | 991.6 | 119900. |
| #3 | 121700. | 2419. | 1189. | 9826. | 993.2 | 119800. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1208. | 2411. | 4849. | 12010. | 96830. | 48710. |
| Stddev | 1. | 3. | 18. | 35. | 268. | 83. |
| %RSD | .0909 | .1051 | .3695 | .2942 | .2766 | .1699 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1207. | 2409. | 4829. | 12030. | 96520. | 48630. |
| #2 | 1209. | 2410. | 4855. | 11970. | 96960. | 48720. |
| #3 | 1209. | 2414. | 4863. | 12040. | 97000. | 48790. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 23:29:10 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121500. | 4996. | 124300. | 2446. | 7275. | 964.8 |
| Stddev | 463. | 14. | 170. | 2. | 14. | 3.8 |
| %RSD | .3809 | .2821 | .1368 | .0833 | .1909 | .3971 |

| | | | | | | |
|----|----------------|--------------|----------------|--------------|--------------|--------------|
| #1 | 121000. | 4980. | 124400. | 2446. | 7259. | 969.2 |
| #2 | 121800. | 5006. | 124100. | 2449. | 7279. | 962.5 |
| #3 | 121800. | 5003. | 124500. | 2445. | 7285. | 962.7 |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2346. | 2401. | 2399. | 2427. | 953.5 | 2340. |
| Stddev | 5. | 3. | 4. | 6. | 2.1 | 2. |
| %RSD | .2318 | .1392 | .1561 | .2361 | .2224 | .0719 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 2351. | 2398. | 2397. | 2421. | 951.5 | 2340. |
| #2 | 2347. | 2404. | 2397. | 2428. | 953.1 | 2341. |
| #3 | 2340. | 2400. | 2403. | 2432. | 955.7 | 2338. |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 23:29:10 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 955.5 | 4941. | 9868. | 9378. |
| Stddev | 2.1 | 3. | 13. | 11. |
| %RSD | .2216 | .0696 | .1325 | .1175 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 953.2 | 4940. | 9856. | 9383. |
| #2 | 957.3 | 4938. | 9866. | 9386. |
| #3 | 956.1 | 4944. | 9882. | 9366. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8409.1 | 58201. | 8857.3 |
| Stddev | 22.7 | 314. | 43.9 |
| %RSD | .27026 | .53991 | .49522 |

| | | | |
|----|--------|--------|--------|
| #1 | 8431.3 | 58559. | 8880.0 |
| #2 | 8410.1 | 57971. | 8885.1 |
| #3 | 8385.9 | 58072. | 8806.7 |

Sample Name: CCB Acquired: 4/11/2016 23:32:38 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.754 | .1653 | -.5825 | .3435 | .0446 | -25.19 |
| Stddev | 5.769 | 1.448 | .4222 | .2856 | .1267 | 3.24 |
| %RSD | 209.5 | 875.9 | 72.48 | 83.15 | 283.8 | 12.86 |

| | | | | | | |
|----|--------|--------|--------|-------|--------|--------|
| #1 | 8.413 | -1.445 | -.1351 | .6681 | .1824 | -21.81 |
| #2 | 2.968 | .5806 | -.6385 | .2321 | .0185 | -25.50 |
| #3 | -3.119 | 1.360 | -.9740 | .1304 | -.0670 | -28.27 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0458 | .0433 | .2649 | 2.023 | 12.78 | 15.96 |
| Stddev | .0558 | .0575 | .4590 | .499 | 14.23 | 34.37 |
| %RSD | 121.7 | 132.8 | 173.3 | 24.68 | 111.3 | 215.3 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|--------|
| #1 | -.0717 | .0060 | .7890 | 2.423 | 26.76 | 9.500 |
| #2 | .0182 | .1096 | .0714 | 2.182 | 13.28 | 53.11 |
| #3 | -.0839 | .0144 | -.0656 | 1.464 | -1.687 | -14.72 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 23:32:38 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.526 | .3515 | 29.10 | .4773 | -.2831 | -.5308 |
| Stddev | 2.698 | .0917 | 11.00 | .1281 | .7611 | 1.839 |
| %RSD | 59.62 | 26.09 | 37.80 | 26.85 | 268.8 | 346.5 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 6.654 | .4573 | 41.78 | .5840 | -.4344 | .4481 |
| #2 | 5.433 | .3005 | 22.29 | .5128 | .5423 | .6116 |
| #3 | 1.491 | .2966 | 23.22 | .3352 | -.9571 | -2.652 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.733 | -1.810 | -.1578 | .0583 | 2.117 | .7876 |
| Stddev | 2.435 | 2.193 | .1748 | .0679 | .693 | .1711 |
| %RSD | 140.5 | 121.2 | 110.8 | 116.4 | 32.72 | 21.72 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|-------|
| #1 | .4247 | -4.157 | -.2709 | .1354 | 2.680 | .9675 |
| #2 | .2321 | -1.458 | .0435 | .0323 | 2.327 | .7684 |
| #3 | 4.542 | .1860 | -.2459 | .0073 | 1.343 | .6269 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 23:32:38 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4352 | .3401 | 1.023 | 1.179 |
| Stddev | .4014 | .1625 | .153 | 12.47 |
| %RSD | 92.23 | 47.79 | 14.93 | 1058. |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .6331 | .5231 | 1.147 | 15.51 |
| #2 | -.0267 | .2843 | .8525 | -4.760 |
| #3 | .6991 | .2128 | 1.069 | -7.209 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8854.0 | 60115. | 8690.3 |
| Stddev | 9.1 | 174. | 39.2 |
| %RSD | .10325 | .28915 | .45163 |

| | | | |
|----|--------|--------|--------|
| #1 | 8860.5 | 59957. | 8649.0 |
| #2 | 8858.0 | 60301. | 8695.0 |
| #3 | 8843.5 | 60087. | 8727.0 |

Sample Name: CCVL Acquired: 4/11/2016 23:36:31 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.8 | 13.03 | 8.945 | 201.7 | 1.959 | 4914. |
| Stddev | 9.6 | .95 | .514 | .9 | .219 | 13. |
| %RSD | 4.792 | 7.290 | 5.743 | .4318 | 11.19 | .2673 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 196.1 | 14.07 | 8.914 | 202.1 | 1.825 | 4916. |
| #2 | 210.7 | 12.22 | 9.473 | 202.2 | 1.839 | 4901. |
| #3 | 192.7 | 12.79 | 8.447 | 200.7 | 2.212 | 4927. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.925 | 50.68 | 10.01 | 25.61 | 161.4 | 4907. |
| Stddev | .016 | .26 | .46 | .38 | 4.1 | 29. |
| %RSD | .4013 | .5153 | 4.576 | 1.503 | 2.511 | .5890 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.913 | 50.74 | 10.53 | 26.05 | 163.9 | 4879. |
| #2 | 3.943 | 50.90 | 9.821 | 25.37 | 163.5 | 4905. |
| #3 | 3.920 | 50.39 | 9.674 | 25.40 | 156.7 | 4936. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 23:36:31 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4915. | 16.24 | 5016. | 41.37 | 9.894 | 19.25 |
| Stddev | 18. | .09 | 19. | .32 | .177 | .65 |
| %RSD | .3731 | .5269 | .3700 | .7752 | 1.788 | 3.375 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4895. | 16.16 | 5003. | 41.68 | 9.690 | 19.70 |
| #2 | 4921. | 16.24 | 5008. | 41.39 | 9.981 | 19.53 |
| #3 | 4930. | 16.33 | 5037. | 41.04 | 10.01 | 18.50 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.61 | 18.03 | 49.50 | 30.39 | 48.93 | 18.83 |
| Stddev | 2.74 | .14 | .57 | .07 | .26 | .12 |
| %RSD | 15.53 | .7576 | 1.144 | .2175 | .5410 | .6436 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 17.30 | 18.04 | 49.26 | 30.34 | 48.68 | 18.95 |
| #2 | 20.48 | 18.17 | 50.15 | 30.37 | 49.21 | 18.85 |
| #3 | 15.03 | 17.90 | 49.09 | 30.46 | 48.91 | 18.71 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 23:36:31 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 47.70 | 20.87 | 20.38 | F -1.111 |
| Stddev | .29 | .24 | .31 | 14.11 |
| %RSD | .6073 | 1.166 | 1.537 | 1270. |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 47.51 | 20.59 | 20.05 | -11.92 |
| #2 | 47.56 | 20.99 | 20.67 | 14.85 |
| #3 | 48.03 | 21.04 | 20.42 | -6.264 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8892.0 | 60844. | 8967.8 |
| Stddev | 4.7 | 293. | 85.8 |
| %RSD | .05311 | .48087 | .95657 |

| | | | |
|----|--------|--------|--------|
| #1 | 8888.9 | 60789. | 8962.6 |
| #2 | 8889.7 | 61160. | 9056.0 |
| #3 | 8897.4 | 60582. | 8884.7 |

Sample Name: 460-111636-G-1-A@4 Acquired: 4/11/2016 23:40:23 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 54540. | 1277. | 9.177 | 761.1 | 2.742 | F 407100. |
| Stddev | 930. | 22. | .152 | 10.3 | .043 | 4089. |
| %RSD | 1.705 | 1.752 | 1.653 | 1.354 | 1.573 | 1.004 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|---------|
| #1 | 53630. | 1255. | 9.105 | 750.0 | 2.748 | 402500. |
| #2 | 54510. | 1277. | 9.076 | 763.1 | 2.696 | 408700. |
| #3 | 55490. | 1300. | 9.352 | 770.3 | 2.782 | 410200. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit | | | | | | 250000. |
| Low Limit | | | | | | -200.0 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 133.1 | 196.8 | 242.8 | 1531. | 118900. | 3857. |
| Stddev | 1.7 | 2.5 | 2.9 | 30. | 1456. | 84. |
| %RSD | 1.300 | 1.296 | 1.191 | 1.963 | 1.224 | 2.189 |

| | | | | | | |
|----|-------|-------|-------|-------|---------|-------|
| #1 | 131.2 | 194.0 | 239.4 | 1498. | 117300. | 3770. |
| #2 | 133.4 | 197.5 | 244.3 | 1535. | 119300. | 3863. |
| #3 | 134.6 | 199.0 | 244.6 | 1558. | 120100. | 3939. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111636-G-1-A@4 Acquired: 4/11/2016 23:40:23 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 37710. | 2373. | 3971. | 922.1 | F 237800. | 802.3 |
| Stddev | 495. | 31. | 70. | 13.3 | 2909. | 9.5 |
| %RSD | 1.313 | 1.304 | 1.760 | 1.440 | 1.223 | 1.180 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | 37160. | 2339. | 3909. | 907.4 | 234800. | 792.5 |
| #2 | 37870. | 2380. | 3956. | 925.6 | 238000. | 803.1 |
| #3 | 38110. | 2400. | 4047. | 933.2 | 240600. | 811.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | 15000. | |
| Low Limit | | | | | -10.00 | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.07 | -4.173 | 92.92 | 801.0 | 134.9 | 11.47 |
| Stddev | 1.54 | 5.471 | 2.13 | 8.6 | 2.6 | .16 |
| %RSD | 9.601 | 131.1 | 2.293 | 1.071 | 1.905 | 1.406 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 15.96 | -.4643 | 90.93 | 791.9 | 132.0 | 11.29 |
| #2 | 14.58 | -10.46 | 92.68 | 802.1 | 135.6 | 11.52 |
| #3 | 17.66 | -1.599 | 95.17 | 809.0 | 137.0 | 11.60 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111636-G-1-A@4 Acquired: 4/11/2016 23:40:23 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 737.8 | 926.9 | 1083. | 1700. |
| Stddev | 11.9 | 17.8 | 18. | 52. |
| %RSD | 1.616 | 1.918 | 1.649 | 3.050 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 725.8 | 910.4 | 1065. | 1649. |
| #2 | 737.8 | 924.6 | 1085. | 1697. |
| #3 | 749.7 | 945.7 | 1100. | 1753. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8522.2 | 59408. | 9075.7 |
| Stddev | 40.2 | 800. | 121.6 |
| %RSD | .47187 | 1.3473 | 1.3402 |

| | | | |
|----|--------|--------|--------|
| #1 | 8476.0 | 58633. | 8964.6 |
| #2 | 8549.2 | 59359. | 9056.7 |
| #3 | 8541.4 | 60231. | 9205.7 |

Sample Name: 460-111896-G-11-B@2 Acquired: 4/11/2016 23:44:06 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.359 | 4.735 | .6631 | 171.0 | -.1285 | 9088. |
| Stddev | 2.236 | 1.507 | .0266 | .5 | .0552 | 29. |
| %RSD | 26.75 | 31.82 | 4.017 | .2748 | 42.93 | .3241 |
| #1 | 9.360 | 3.945 | .6446 | 170.7 | -.0814 | 9055. |
| #2 | 5.797 | 3.788 | .6937 | 171.6 | -.1149 | 9096. |
| #3 | 9.919 | 6.472 | .6511 | 170.8 | -.1892 | 9112. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2322 | 36.65 | .7370 | 1.700 | 12800. | 1735. |
| Stddev | .0753 | .25 | .4496 | .450 | 69. | 9. |
| %RSD | 32.42 | .6885 | 61.00 | 26.47 | .5399 | .5095 |
| #1 | -.1681 | 36.41 | .2777 | 1.754 | 12720. | 1728. |
| #2 | -.2133 | 36.91 | 1.176 | 1.226 | 12810. | 1732. |
| #3 | -.3151 | 36.64 | .7571 | 2.121 | 12860. | 1745. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-11-B@2 Acquired: 4/11/2016 23:44:06 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8771. | 5454. | 25610. | 5.519 | 5.581 | -.6318 |
| Stddev | 72. | 18. | 53. | .341 | 3.343 | .4808 |
| %RSD | .8208 | .3339 | .2070 | 6.173 | 59.90 | 76.10 |

| | | | | | | |
|----|--------------|--------------|---------------|--------------|--------------|---------------|
| #1 | 8699. | 5436. | 25550. | 5.832 | 8.486 | -.7761 |
| #2 | 8771. | 5453. | 25650. | 5.156 | 6.328 | -1.024 |
| #3 | 8843. | 5473. | 25630. | 5.569 | 1.927 | -.0954 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.186 | 4.526 | 9.251 | 3.565 | 15.94 | .1390 |
| Stddev | 1.543 | .541 | .222 | .100 | .34 | .1520 |
| %RSD | 36.87 | 11.96 | 2.398 | 2.817 | 2.111 | 109.3 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|---------------|
| #1 | 2.951 | 4.974 | 9.201 | 3.674 | 15.80 | -.0258 |
| #2 | 5.917 | 4.680 | 9.494 | 3.477 | 16.32 | .2736 |
| #3 | 3.692 | 3.925 | 9.059 | 3.544 | 15.69 | .1693 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-11-B@2 Acquired: 4/11/2016 23:44:06 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2858 | 104.3 | -.3101 | 3073. |
| Stddev | .5060 | .6 | .2054 | 4. |
| %RSD | 177.1 | .6038 | 66.25 | .1255 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | .6169 | 103.6 | -.5212 | 3077. |
| #2 | .5372 | 104.5 | -.2982 | 3073. |
| #3 | -.2968 | 104.8 | -.1109 | 3070. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8845.9 | 60629. | 8894.5 |
| Stddev | 43.7 | 499. | 104.2 |
| %RSD | .49430 | .82358 | 1.1709 |

| | | | |
|----|--------|--------|--------|
| #1 | 8887.5 | 61102. | 9007.9 |
| #2 | 8849.7 | 60677. | 8872.3 |
| #3 | 8800.3 | 60107. | 8803.2 |

Sample Name: pds 460-111807-F-4-A Acquired: 4/11/2016 23:47:56 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12290. | 1949. | 52.19 | 2088. | 52.72 | 31440. |
| Stddev | 33. | 7. | .44 | 1. | .27 | 50. |
| %RSD | .2689 | .3816 | .8451 | .0576 | .5077 | .1598 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 12320. | 1941. | 52.68 | 2086. | 53.02 | 31470. |
| #2 | 12270. | 1949. | 52.03 | 2088. | 52.63 | 31470. |
| #3 | 12260. | 1956. | 51.84 | 2088. | 52.51 | 31390. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 50.40 | 507.3 | 235.1 | 259.3 | 13780. | 22170. |
| Stddev | .09 | .4 | 2.3 | 1.2 | 92. | 36. |
| %RSD | .1832 | .0732 | .9872 | .4464 | .6665 | .1639 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 50.46 | 507.3 | 236.2 | 260.0 | 13830. | 22210. |
| #2 | 50.44 | 507.7 | 236.7 | 260.0 | 13840. | 22170. |
| #3 | 50.29 | 506.9 | 232.4 | 258.0 | 13670. | 22140. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds 460-111807-F-4-A Acquired: 4/11/2016 23:47:56 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26060. | 682.0 | 36560. | 522.9 | 525.5 | 476.2 |
| Stddev | 71. | .7 | 110. | 2.1 | 2.7 | 2.7 |
| %RSD | .2726 | .1068 | .3011 | .3978 | .5048 | .5578 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 26100. | 682.1 | 36690. | 520.6 | 526.4 | 473.9 |
| #2 | 26100. | 682.6 | 36480. | 523.6 | 527.5 | 479.1 |
| #3 | 25980. | 681.2 | 36520. | 524.5 | 522.5 | 475.7 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1924. | 2024. | 531.1 | 560.2 | 528.7 | 475.4 |
| Stddev | 11. | 13. | 3.9 | .8 | 4.5 | 2.3 |
| %RSD | .5677 | .6557 | .7278 | .1510 | .8427 | .4798 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1918. | 2023. | 532.6 | 560.8 | 524.4 | 473.5 |
| #2 | 1937. | 2038. | 534.0 | 560.6 | 533.3 | 477.9 |
| #3 | 1918. | 2012. | 526.7 | 559.2 | 528.5 | 474.7 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds 460-111807-F-4-A Acquired: 4/11/2016 23:47:56 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 502.1 | 573.5 | 1059. | 16550. |
| Stddev | 4.2 | .3 | 2. | 212. |
| %RSD | .8452 | .0474 | .1694 | 1.280 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 500.7 | 573.8 | 1058. | 16400. |
| #2 | 506.8 | 573.2 | 1061. | 16790. |
| #3 | 498.6 | 573.4 | 1059. | 16450. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8745.4 | 59848. | 8815.9 |
| Stddev | 12.1 | 47. | 138.7 |
| %RSD | .13822 | .07851 | 1.5727 |

| | | | |
|----|--------|--------|--------|
| #1 | 8759.1 | 59835. | 8659.6 |
| #2 | 8740.6 | 59809. | 8924.2 |
| #3 | 8736.4 | 59900. | 8863.8 |

Sample Name: 460-111807-F-4-B MS Acquired: 4/11/2016 23:51:26 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17660. | 1729. | 42.32 | 1864. | 47.04 | 29710. |
| Stddev | 42. | 7. | .28 | 4. | .07 | 191. |
| %RSD | .2368 | .4036 | .6510 | .2139 | .1545 | .6420 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 17640. | 1730. | 42.26 | 1868. | 47.07 | 29930. |
| #2 | 17710. | 1735. | 42.08 | 1864. | 46.95 | 29640. |
| #3 | 17630. | 1721. | 42.62 | 1860. | 47.08 | 29570. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 44.74 | 449.4 | 217.3 | 234.8 | 14650. | 20170. |
| Stddev | .11 | .8 | 1.0 | 1.2 | 78. | 76. |
| %RSD | .2551 | .1859 | .4592 | .5065 | .5307 | .3773 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 44.78 | 450.3 | 217.9 | 233.4 | 14730. | 20080. |
| #2 | 44.83 | 449.4 | 216.2 | 235.3 | 14650. | 20180. |
| #3 | 44.62 | 448.6 | 217.9 | 235.6 | 14570. | 20230. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-4-B MS Acquired: 4/11/2016 23:51:26 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24200. | 627.8 | 34840. | 466.5 | 466.9 | 416.7 |
| Stddev | 150. | 2.8 | 13. | 1.0 | 1.3 | .7 |
| %RSD | .6189 | .4434 | .0383 | .2057 | .2712 | .1745 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|--------------|--------------|
| #1 | 24370. | 630.9 | 34830. | 467.6 | 468.4 | 416.8 |
| #2 | 24120. | 626.9 | 34860. | 465.8 | 466.2 | 417.4 |
| #3 | 24110. | 625.6 | 34840. | 466.2 | 466.2 | 416.0 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1707. | 1805. | 479.6 | 504.7 | 476.0 | 415.8 |
| Stddev | 8. | 7. | 2.0 | 2.3 | .9 | .7 |
| %RSD | .4899 | .3622 | .4251 | .4524 | .1800 | .1700 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 1697. | 1805. | 481.9 | 507.3 | 476.2 | 416.2 |
| #2 | 1711. | 1811. | 478.0 | 503.0 | 476.8 | 416.2 |
| #3 | 1713. | 1798. | 478.9 | 503.8 | 475.1 | 415.0 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-4-B MS Acquired: 4/11/2016 23:51:26 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 421.8 | 519.3 | 1022. | F 23130. |
| Stddev | 1.5 | .5 | 2. | 49. |
| %RSD | .3556 | .0972 | .1567 | .2116 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 423.1 | 518.7 | 1023. | 23080. |
| #2 | 422.3 | 519.4 | 1022. | 23150. |
| #3 | 420.2 | 519.7 | 1020. | 23170. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit | | | | 20000. |
| Low Limit | | | | -200.0 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8744.6 | 59914. | 8920.0 |
| Stddev | 8.6 | 436. | 35.9 |
| %RSD | .09831 | .72715 | .40245 |

| | | | |
|----|--------|--------|--------|
| #1 | 8736.3 | 59411. | 8883.9 |
| #2 | 8753.5 | 60173. | 8920.4 |
| #3 | 8744.1 | 60158. | 8955.7 |

Sample Name: 460-111807-B-4-A DU Acquired: 4/11/2016 23:54:58 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10580. | 5.120 | -5903 | 82.73 | 4328 | 12120. |
| Stddev | 35. | 1.118 | .4495 | .31 | .0858 | 28. |
| %RSD | .3341 | 21.84 | 76.14 | .3712 | 19.83 | .2284 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 10550. | 4.536 | -.3672 | 83.05 | .3353 | 12130. |
| #2 | 10620. | 6.410 | -1.108 | 82.70 | .4970 | 12140. |
| #3 | 10580. | 4.416 | -.2960 | 82.43 | .4663 | 12090. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .3297 | 6.015 | 28.79 | 15.17 | 13520. | 3868. |
| Stddev | .0715 | .198 | .36 | .44 | 34. | 10. |
| %RSD | 21.68 | 3.289 | 1.249 | 2.916 | .2513 | .2507 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | .3268 | 6.207 | 29.15 | 15.19 | 13520. | 3858. |
| #2 | .4026 | 6.026 | 28.43 | 14.71 | 13490. | 3876. |
| #3 | .2597 | 5.812 | 28.78 | 15.60 | 13560. | 3871. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-B-4-A DU Acquired: 4/11/2016 23:54:58 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6702. | 169.3 | 16710. | 12.80 | 20.69 | -.3694 |
| Stddev | 24. | .8 | 48. | .62 | .78 | 1.247 |
| %RSD | .3604 | .4773 | .2898 | 4.863 | 3.794 | 337.5 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|--------|
| #1 | 6704. | 169.6 | 16680. | 13.16 | 20.98 | .9627 |
| #2 | 6677. | 168.4 | 16770. | 12.08 | 19.80 | -1.509 |
| #3 | 6726. | 169.9 | 16690. | 13.15 | 21.28 | -.5624 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.316 | -1.714 | 34.19 | 54.11 | 28.35 | .5987 |
| Stddev | 1.685 | 1.662 | .09 | .09 | .18 | .0511 |
| %RSD | 128.0 | 96.95 | .2701 | .1663 | .6382 | 8.529 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | 2.386 | .1925 | 34.29 | 54.21 | 28.56 | .5707 |
| #2 | 2.188 | -2.480 | 34.14 | 54.03 | 28.29 | .5679 |
| #3 | -.6263 | -2.854 | 34.13 | 54.10 | 28.22 | .6577 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-B-4-A DU Acquired: 4/11/2016 23:54:58 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.774 | 70.06 | 558.9 | 16830. |
| Stddev | .951 | .17 | 1.8 | 153. |
| %RSD | 53.58 | .2494 | .3209 | .9094 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 1.592 | 70.16 | 557.0 | 16840. |
| #2 | .9280 | 70.16 | 560.6 | 16670. |
| #3 | 2.803 | 69.86 | 559.1 | 16970. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8771.0 | 59257. | 8773.6 |
| Stddev | 30.1 | 133. | 93.2 |
| %RSD | .34261 | .22407 | 1.0617 |

| | | | |
|----|--------|--------|--------|
| #1 | 8774.0 | 59255. | 8830.5 |
| #2 | 8799.4 | 59126. | 8666.1 |
| #3 | 8739.5 | 59391. | 8824.3 |

Sample Name: 460-111807-F-4-A Acquired: 4/11/2016 23:58:45 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10430. | 3.603 | -.5272 | 82.66 | .2319 | 12020. |
| Stddev | 16. | 1.227 | .5182 | .29 | .0975 | 62. |
| %RSD | .1560 | 34.06 | 98.30 | .3474 | 42.04 | .5131 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 10440. | 2.368 | -.1954 | 82.40 | .1228 | 12080. |
| #2 | 10410. | 3.618 | -.2619 | 82.97 | .3104 | 12000. |
| #3 | 10440. | 4.822 | -1.124 | 82.63 | .2624 | 11960. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2725 | 6.009 | 28.33 | 15.08 | 13430. | 3833. |
| Stddev | .0711 | .123 | .26 | .45 | 48. | 23. |
| %RSD | 26.09 | 2.040 | .9222 | 2.965 | .3538 | .5914 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | .3286 | 6.151 | 28.05 | 15.21 | 13460. | 3812. |
| #2 | .1926 | 5.934 | 28.57 | 14.59 | 13460. | 3829. |
| #3 | .2962 | 5.942 | 28.37 | 15.45 | 13380. | 3857. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-4-A Acquired: 4/11/2016 23:58:45 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6654. | 168.4 | 16640. | 12.10 | 20.42 | -1.700 |
| Stddev | 19. | .5 | 34. | .47 | 1.48 | .496 |
| %RSD | .2841 | .3093 | .2058 | 3.897 | 7.243 | 29.18 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|--------|
| #1 | 6650. | 168.5 | 16610. | 12.60 | 22.05 | -1.241 |
| #2 | 6637. | 168.9 | 16660. | 11.66 | 20.07 | -1.632 |
| #3 | 6674. | 167.8 | 16670. | 12.06 | 19.15 | -2.226 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .6426 | -1.836 | 33.97 | 53.61 | 27.31 | .3067 |
| Stddev | .8448 | 2.119 | .14 | .25 | .58 | .1015 |
| %RSD | 131.5 | 115.4 | .4018 | .4666 | 2.126 | 33.10 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | .6042 | -1.257 | 34.10 | 53.83 | 27.06 | .2537 |
| #2 | -.1823 | -.0666 | 33.82 | 53.66 | 26.89 | .4237 |
| #3 | 1.506 | -4.185 | 33.99 | 53.34 | 27.97 | .2426 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-4-A Acquired: 4/11/2016 23:58:45 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.756 | 70.06 | 553.5 | 16810. |
| Stddev | .711 | .15 | .3 | 180. |
| %RSD | 40.52 | .2102 | .0514 | 1.070 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 1.528 | 69.89 | 553.5 | 16620. |
| #2 | 2.553 | 70.12 | 553.9 | 16820. |
| #3 | 1.186 | 70.17 | 553.3 | 16980. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8818.4 | 60035. | 8948.1 |
| Stddev | 24.7 | 289. | 110.7 |
| %RSD | .28006 | .48133 | 1.2367 |

| | | | |
|----|--------|--------|--------|
| #1 | 8790.9 | 59738. | 8832.9 |
| #2 | 8825.4 | 60052. | 8957.8 |
| #3 | 8838.8 | 60315. | 9053.6 |

Sample Name: sd460-111807-F-4-A Acquired: 4/12/2016 0:02:32 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2077. | .8571 | -.6504 | 16.42 | .0224 | 2383. |
| Stddev | 7. | .5421 | .1548 | .16 | .1360 | 2. |
| %RSD | .3176 | 63.25 | 23.80 | .9963 | 606.2 | .0997 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|-------|
| #1 | 2084. | .2312 | -.8280 | 16.42 | .1571 | 2385. |
| #2 | 2072. | 1.181 | -.5784 | 16.57 | -.1149 | 2384. |
| #3 | 2075. | 1.159 | -.5447 | 16.25 | .0251 | 2380. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0341 | 1.103 | 5.717 | 4.211 | 2662. | 778.1 |
| Stddev | .1150 | .030 | .163 | .162 | 19. | 28.2 |
| %RSD | 337.3 | 2.712 | 2.848 | 3.849 | .7301 | 3.620 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | .0985 | 1.135 | 5.728 | 4.025 | 2640. | 807.9 |
| #2 | -.0949 | 1.075 | 5.874 | 4.282 | 2668. | 774.3 |
| #3 | -.1059 | 1.099 | 5.548 | 4.325 | 2678. | 752.0 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111807-F-4-A Acquired: 4/12/2016 0:02:32 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1302. | 33.44 | 3371. | 2.485 | 3.617 | -1.199 |
| Stddev | 10. | .15 | 16. | .178 | 1.273 | .627 |
| %RSD | .7763 | .4560 | .4645 | 7.154 | 35.19 | 52.28 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 1294. | 33.26 | 3376. | 2.606 | 2.377 | -.7162 |
| #2 | 1313. | 33.50 | 3384. | 2.567 | 3.553 | -1.907 |
| #3 | 1299. | 33.55 | 3354. | 2.281 | 4.920 | -.9726 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.938 | -2.856 | 6.653 | 10.50 | 6.061 | -.3929 |
| Stddev | 3.473 | 1.283 | .445 | .08 | .445 | .0543 |
| %RSD | 179.2 | 44.92 | 6.695 | .7343 | 7.350 | 13.81 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | .7839 | -1.456 | 6.724 | 10.41 | 6.428 | -.4408 |
| #2 | -.8116 | -3.976 | 7.059 | 10.54 | 6.189 | -.4040 |
| #3 | 5.841 | -3.136 | 6.177 | 10.55 | 5.565 | -.3340 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111807-F-4-A Acquired: 4/12/2016 0:02:32 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4225 | 14.05 | 112.0 | 3347. |
| Stddev | .2739 | .03 | .2 | 8. |
| %RSD | 64.82 | .2462 | .2148 | .2503 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .2654 | 14.08 | 111.7 | 3356. |
| #2 | .2634 | 14.05 | 112.1 | 3344. |
| #3 | .7388 | 14.01 | 112.1 | 3341. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8843.2 | 60393. | 8942.4 |
| Stddev | 13.5 | 102. | 40.4 |
| %RSD | .15233 | .16846 | .45166 |

| | | | |
|----|--------|--------|--------|
| #1 | 8828.1 | 60319. | 8932.6 |
| #2 | 8853.9 | 60509. | 8986.7 |
| #3 | 8847.7 | 60351. | 8907.7 |

Sample Name: MB 460-361767/1-A Acquired: 4/12/2016 0:06:22 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.137 | .0074 | -.2465 | -.0323 | -.0792 | -22.83 |
| Stddev | 3.977 | 1.871 | .7384 | .1072 | .1271 | 5.59 |
| %RSD | 186.1 | 25420. | 299.5 | 331.4 | 160.5 | 24.49 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | 1.401 | -.9408 | .5791 | .0058 | -.1447 | -22.23 |
| #2 | 6.430 | 2.163 | -.8435 | -.1533 | .0673 | -28.69 |
| #3 | -1.421 | -1.200 | -.4752 | .0505 | -.1602 | -17.56 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0722 | -.1892 | -.1973 | 1.636 | 9.088 | 7.844 |
| Stddev | .1005 | .2082 | .4929 | .408 | 4.451 | 3.428 |
| %RSD | 139.1 | 110.1 | 249.8 | 24.94 | 48.97 | 43.71 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | .1599 | .0378 | -.6969 | 1.518 | 13.79 | 9.031 |
| #2 | .0942 | -.2340 | -.1837 | 1.300 | 4.945 | 10.52 |
| #3 | -.0374 | -.3714 | .2887 | 2.091 | 8.526 | 3.980 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361767/1-A Acquired: 4/12/2016 0:06:22 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0645 | .0904 | 25.39 | -.1311 | .3138 | -.4700 |
| Stddev | 3.195 | .0453 | 4.45 | .5649 | .5729 | 1.699 |
| %RSD | 4953. | 50.15 | 17.52 | 430.9 | 182.6 | 361.6 |

| | | | | | | |
|----|--------|-------|-------|--------|--------|--------|
| #1 | -3.419 | .0420 | 30.02 | -.0895 | .4435 | -.6891 |
| #2 | 2.942 | .0973 | 21.15 | -.7156 | -.3129 | 1.328 |
| #3 | .2833 | .1319 | 24.99 | .4118 | .8108 | -2.049 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.446 | -2.083 | -.1118 | .2917 | 6.520 | -.7671 |
| Stddev | 2.693 | 1.742 | .4685 | .1583 | .549 | .1246 |
| %RSD | 186.2 | 83.64 | 419.0 | 54.27 | 8.418 | 16.25 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | -1.630 | -4.077 | -.6516 | .3129 | 6.762 | -.7500 |
| #2 | 3.376 | -.8564 | .1899 | .1238 | 6.907 | -.8994 |
| #3 | 2.593 | -1.315 | .1262 | .4383 | 5.892 | -.6519 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361767/1-A Acquired: 4/12/2016 0:06:22 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1663 | .0500 | -.7712 | 54.06 |
| Stddev | .6114 | .0608 | .0748 | 12.36 |
| %RSD | 367.7 | 121.7 | 9.694 | 22.86 |

| | | | | |
|----|---------------|---------------|---------------|--------------|
| #1 | -.5309 | .0648 | -.8117 | 47.49 |
| #2 | .4185 | -.0169 | -.6849 | 46.38 |
| #3 | .6112 | .1020 | -.8170 | 68.32 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8810.6 | 60145. | 8852.1 |
| Stddev | 45.4 | 254. | 84.5 |
| %RSD | .51494 | .42185 | .95460 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8857.7 | 60348. | 8890.0 |
| #2 | 8806.9 | 60226. | 8911.0 |
| #3 | 8767.1 | 59861. | 8755.3 |

Sample Name: LCS 460-361767/2-A Acquired: 4/12/2016 0:10:17 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1976. | 1917. | 47.14 | 1970. | 52.21 | 19300. |
| Stddev | 11. | 4. | .30 | 2. | .28 | 17. |
| %RSD | .5561 | .1829 | .6295 | .0863 | .5318 | .0863 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 1965. | 1920. | 47.21 | 1971. | 52.38 | 19320. |
| #2 | 1977. | 1919. | 47.39 | 1968. | 52.36 | 19280. |
| #3 | 1986. | 1913. | 46.81 | 1970. | 51.89 | 19300. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49.63 | 494.1 | 204.6 | 242.2 | 1024. | 18150. |
| Stddev | .15 | 1.2 | 2.0 | 1.9 | 10. | 3. |
| %RSD | .2941 | .2481 | .9604 | .7765 | .9866 | .0142 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 49.76 | 495.5 | 205.9 | 242.9 | 1033. | 18150. |
| #2 | 49.66 | 493.3 | 205.6 | 243.6 | 1026. | 18150. |
| #3 | 49.47 | 493.5 | 202.4 | 240.0 | 1013. | 18150. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: LCS 460-361767/2-A Acquired: 4/12/2016 0:10:17 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19330. | 518.4 | 20010. | 506.3 | 500.0 | 482.7 |
| Stddev | 34. | 1.4 | 6. | .5 | 2.1 | 1.3 |
| %RSD | .1775 | .2751 | .0292 | .0984 | .4148 | .2772 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 19360. | 520.1 | 20000. | 506.3 | 497.9 | 484.2 |
| #2 | 19340. | 517.4 | 20020. | 506.8 | 502.0 | 482.5 |
| #3 | 19290. | 517.9 | 20010. | 505.8 | 500.1 | 481.5 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1886. | 2008. | 498.3 | 500.5 | 498.1 | 472.3 |
| Stddev | 8. | 4. | 2.8 | 3.0 | 1.2 | .6 |
| %RSD | .4501 | .2231 | .5716 | .5911 | .2321 | .1364 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1881. | 2012. | 500.1 | 503.5 | 497.0 | 471.8 |
| #2 | 1880. | 2004. | 499.7 | 500.3 | 497.9 | 472.0 |
| #3 | 1895. | 2006. | 495.0 | 497.6 | 499.3 | 473.0 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: LCS 460-361767/2-A Acquired: 4/12/2016 0:10:17 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 494.0 | 498.5 | 510.6 | 102.2 |
| Stddev | .4 | 1.0 | .0 | 20.3 |
| %RSD | .0829 | .1947 | .0066 | 19.86 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 494.4 | 497.5 | 510.6 | 79.62 |
| #2 | 493.6 | 499.4 | 510.6 | 118.9 |
| #3 | 494.1 | 498.8 | 510.6 | 108.2 |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8734.9 | 59704. | 8799.3 |
| Stddev | 29.7 | 160. | 102.2 |
| %RSD | .34005 | .26778 | 1.1615 |

| | | | |
|----|--------|--------|--------|
| #1 | 8704.2 | 59520. | 8692.5 |
| #2 | 8737.0 | 59783. | 8809.2 |
| #3 | 8763.5 | 59809. | 8896.1 |

Sample Name: 460-111807-F-1-A Acquired: 4/12/2016 0:13:50 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 286.0 | 32.70 | 4.036 | 88.22 | .0664 | 149500. |
| Stddev | 10.1 | 2.29 | .168 | .28 | .0079 | 69. |
| %RSD | 3.530 | 7.013 | 4.156 | .3223 | 11.91 | .0460 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|---------|
| #1 | 278.8 | 32.69 | 3.850 | 87.98 | .0751 | 149500. |
| #2 | 297.6 | 35.00 | 4.081 | 88.53 | .0642 | 149600. |
| #3 | 281.6 | 30.41 | 4.176 | 88.15 | .0598 | 149500. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5477 | 7.458 | 15.32 | 7.394 | 138100. | 33110. |
| Stddev | .0819 | .065 | .45 | .411 | 126. | 212. |
| %RSD | 14.95 | .8744 | 2.964 | 5.562 | .0915 | .6400 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.5541 | 7.465 | 15.18 | 7.501 | 138100. | 32900. |
| #2 | -.6262 | 7.520 | 15.83 | 7.741 | 138200. | 33110. |
| #3 | -.4628 | 7.390 | 14.95 | 6.940 | 137900. | 33320. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-1-A Acquired: 4/12/2016 0:13:50 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 191500. | F 19030. | F 754300. | 8.768 | -1.243 | 4.779 |
| Stddev | 265. | 43. | 23480. | .511 | .498 | 1.725 |
| %RSD | .1384 | .2275 | 3.113 | 5.827 | 40.10 | 36.09 |

| | | | | | | |
|----|---------|--------|---------|-------|--------|-------|
| #1 | 191200. | 18990. | 778600. | 8.194 | -1.811 | 3.769 |
| #2 | 191700. | 19080. | 752600. | 8.937 | -.8779 | 3.796 |
| #3 | 191600. | 19030. | 731700. | 9.172 | -1.040 | 6.770 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 10000. | 250000. | | | |
| Low Limit | | -15.00 | -5000. | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.02 | 24.05 | 47.55 | 34.06 | 342.6 | 6.309 |
| Stddev | 2.10 | 2.40 | .47 | .17 | .4 | .166 |
| %RSD | 13.14 | 9.959 | .9870 | .4989 | .1136 | 2.631 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 15.89 | 24.30 | 47.23 | 34.13 | 343.0 | 6.436 |
| #2 | 18.18 | 21.54 | 48.09 | 33.87 | 342.6 | 6.370 |
| #3 | 13.98 | 26.31 | 47.33 | 34.19 | 342.2 | 6.121 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-1-A Acquired: 4/12/2016 0:13:50 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0474 | 1536. | 7.605 | F 23220. |
| Stddev | .7502 | 3. | .260 | 42. |
| %RSD | 1583. | .2208 | 3.422 | .1794 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .2701 | 1534. | 7.726 | 23180. |
| #2 | .4919 | 1535. | 7.783 | 23220. |
| #3 | -.9041 | 1540. | 7.306 | 23260. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit | | | | 20000. |
| Low Limit | | | | -200.0 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8033.7 | 55591. | 8716.5 |
| Stddev | 17.8 | 55. | 60.1 |
| %RSD | .22175 | .09871 | .68947 |

| | | | |
|----|--------|--------|--------|
| #1 | 8050.8 | 55626. | 8754.0 |
| #2 | 8035.1 | 55621. | 8748.4 |
| #3 | 8015.2 | 55528. | 8647.2 |

Sample Name: CCV Acquired: 4/12/2016 0:17:59 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121900. | 2421. | 1189. | 9806. | 998.9 | 119700. |
| Stddev | 182. | 11. | 2. | 17. | 2.1 | 130. |
| %RSD | .1492 | .4393 | .1702 | .1738 | .2061 | .1084 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 122000. | 2431. | 1191. | 9821. | 999.3 | 119600. |
| #2 | 122000. | 2422. | 1189. | 9809. | 1001. | 119600. |
| #3 | 121700. | 2410. | 1187. | 9787. | 996.7 | 119800. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1207. | 2410. | 4869. | 12070. | 96970. | 49020. |
| Stddev | 2. | 5. | 10. | 48. | 50. | 49. |
| %RSD | .1871 | .2066 | .2051 | .3971 | .0519 | .1001 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1209. | 2415. | 4877. | 12110. | 97030. | 49080. |
| #2 | 1206. | 2409. | 4872. | 12080. | 96930. | 48980. |
| #3 | 1205. | 2405. | 4858. | 12020. | 96950. | 49010. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/12/2016 0:17:59 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 121800. | 5006. | 123300. | 2443. | 7274. | 962.1 |
| Stddev | 130. | 5. | 116. | 2. | 5. | 5.5 |
| %RSD | .1065 | .1055 | .0944 | .0859 | .0739 | .5742 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 121900. | 5012. | 123200. | 2445. | 7279. | 968.0 |
| #2 | 121700. | 5004. | 123500. | 2443. | 7268. | 961.3 |
| #3 | 121700. | 5003. | 123300. | 2441. | 7274. | 957.0 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2353. | 2390. | 2405. | 2418. | 957.3 | 2336. |
| Stddev | 19. | 10. | 4. | 2. | 4.5 | 6. |
| %RSD | .7993 | .4106 | .1774 | .0904 | .4717 | .2466 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2375. | 2395. | 2406. | 2416. | 962.4 | 2340. |
| #2 | 2340. | 2395. | 2409. | 2418. | 956.0 | 2339. |
| #3 | 2345. | 2378. | 2400. | 2421. | 953.6 | 2330. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/12/2016 0:17:59 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 955.9 | 4953. | 9902. | 9317. |
| Stddev | 1.0 | 7. | 27. | 43. |
| %RSD | .1017 | .1334 | .2744 | .4615 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 957.0 | 4958. | 9929. | 9286. |
| #2 | 955.1 | 4955. | 9901. | 9366. |
| #3 | 955.7 | 4945. | 9875. | 9299. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8335.7 | 57559. | 8659.7 |
| Stddev | 25.6 | 194. | 59.1 |
| %RSD | .30731 | .33774 | .68243 |

| | | | |
|----|--------|--------|--------|
| #1 | 8306.1 | 57335. | 8595.4 |
| #2 | 8350.2 | 57669. | 8711.7 |
| #3 | 8350.7 | 57674. | 8671.8 |

Sample Name: CCVL Acquired: 4/12/2016 0:25:21 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 209.9 | 14.69 | 8.811 | 202.0 | 1.947 | 4915. |
| Stddev | 3.8 | .70 | .046 | .5 | .089 | 17. |
| %RSD | 1.804 | 4.748 | .5210 | .2548 | 4.557 | .3521 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 212.5 | 14.70 | 8.821 | 202.5 | 1.846 | 4908. |
| #2 | 211.5 | 15.39 | 8.851 | 202.0 | 1.982 | 4901. |
| #3 | 205.5 | 14.00 | 8.761 | 201.5 | 2.013 | 4934. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.988 | 50.61 | 9.968 | 25.47 | 161.2 | 4930. |
| Stddev | .014 | .21 | .424 | .46 | 6.7 | 45. |
| %RSD | .3416 | .4203 | 4.253 | 1.814 | 4.132 | .9104 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.984 | 50.54 | 9.484 | 24.97 | 165.9 | 4908. |
| #2 | 3.977 | 50.84 | 10.27 | 25.56 | 153.6 | 4901. |
| #3 | 4.003 | 50.43 | 10.15 | 25.88 | 164.2 | 4982. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/12/2016 0:25:21 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4933. | 16.25 | 5072. | 41.64 | 10.99 | 18.59 |
| Stddev | 36. | .09 | 13. | .39 | 1.29 | .48 |
| %RSD | .7316 | .5400 | .2587 | .9361 | 11.77 | 2.572 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4897. | 16.18 | 5065. | 41.96 | 10.38 | 19.00 |
| #2 | 4934. | 16.23 | 5064. | 41.21 | 12.48 | 18.70 |
| #3 | 4969. | 16.35 | 5087. | 41.75 | 10.12 | 18.06 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.42 | 16.79 | 49.43 | 30.52 | 49.50 | 18.91 |
| Stddev | 4.65 | .77 | .51 | .18 | .15 | .22 |
| %RSD | 23.97 | 4.590 | 1.024 | .5879 | .3094 | 1.176 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 15.95 | 16.19 | 49.24 | 30.41 | 49.57 | 18.78 |
| #2 | 17.59 | 17.66 | 49.04 | 30.72 | 49.33 | 18.77 |
| #3 | 24.71 | 16.52 | 50.00 | 30.42 | 49.61 | 19.16 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/12/2016 0:25:21 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.15 | 20.86 | 20.56 | F -7.451 |
| Stddev | .27 | .22 | .27 | 11.65 |
| %RSD | .5676 | 1.059 | 1.322 | 156.4 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 47.84 | 20.89 | 20.25 | -5.032 |
| #2 | 48.28 | 20.63 | 20.64 | -20.12 |
| #3 | 48.33 | 21.07 | 20.77 | 2.799 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8812.0 | 60448. | 8853.2 |
| Stddev | 9.0 | 272. | 107.6 |
| %RSD | .10255 | .44961 | 1.2152 |

| | | | |
|----|--------|--------|--------|
| #1 | 8822.0 | 60442. | 8911.0 |
| #2 | 8809.7 | 60723. | 8919.5 |
| #3 | 8804.3 | 60180. | 8729.1 |

Sample Name: 460-111807-F-1-A@3 Acquired: 4/12/2016 0:29:12 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 88.20 | 10.49 | 1.158 | 29.29 | -.0222 | 50040. |
| Stddev | 1.56 | 3.00 | .099 | .15 | .0485 | 607. |
| %RSD | 1.764 | 28.56 | 8.513 | .5078 | 218.1 | 1.213 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|---------------|---------------|
| #1 | 87.48 | 7.040 | 1.234 | 29.42 | .0328 | 50730. |
| #2 | 87.14 | 12.47 | 1.194 | 29.32 | -.0410 | 49740. |
| #3 | 89.99 | 11.95 | 1.047 | 29.12 | -.0585 | 49630. |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3916 | 2.464 | 5.163 | 3.690 | 47070. | 10800. |
| Stddev | .1817 | .200 | .611 | .542 | 473. | 89. |
| %RSD | 46.39 | 8.099 | 11.84 | 14.68 | 1.005 | .8211 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|---------------|---------------|
| #1 | -.5535 | 2.560 | 5.821 | 3.073 | 47580. | 10700. |
| #2 | -.4260 | 2.598 | 5.055 | 3.912 | 46970. | 10830. |
| #3 | -.1952 | 2.235 | 4.614 | 4.086 | 46650. | 10860. |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-1-A@3 Acquired: 4/12/2016 0:29:12 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 63030. | 6739. | F 267500. | 3.051 | -2.457 | .7490 |
| Stddev | 680. | 60. | 3154. | .069 | 1.791 | 1.715 |
| %RSD | 1.078 | .8962 | 1.179 | 2.275 | 72.89 | 228.9 |

| | | | | | | |
|----|--------|-------|---------|-------|--------|--------|
| #1 | 63790. | 6807. | 268800. | 3.115 | -3.566 | 2.702 |
| #2 | 62820. | 6718. | 269700. | 2.977 | -3.415 | -.5094 |
| #3 | 62470. | 6691. | 263900. | 3.062 | -.3910 | .0543 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 250000. | | | |
| Low Limit | | | -5000. | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.637 | 7.736 | 16.41 | 11.53 | 112.5 | 1.918 |
| Stddev | .733 | 1.558 | .67 | .13 | .4 | .294 |
| %RSD | 13.00 | 20.13 | 4.096 | 1.086 | .3891 | 15.33 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 6.482 | 9.176 | 17.16 | 11.59 | 112.0 | 1.688 |
| #2 | 5.173 | 6.083 | 16.17 | 11.62 | 112.7 | 1.818 |
| #3 | 5.257 | 7.947 | 15.88 | 11.39 | 112.8 | 2.249 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-1-A@3 Acquired: 4/12/2016 0:29:12 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4317 | 507.7 | 2.924 | 7289. |
| Stddev | .8569 | .5 | .149 | 153. |
| %RSD | 198.5 | .0940 | 5.085 | 2.101 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.4883 | 507.8 | 2.854 | 7125. |
| #2 | .5761 | 508.1 | 2.824 | 7429. |
| #3 | 1.207 | 507.1 | 3.095 | 7313. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8450.4 | 57995. | 8754.7 |
| Stddev | 88.3 | 988. | 226.1 |
| %RSD | 1.0445 | 1.7030 | 2.5821 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8348.9 | 56860. | 8493.7 |
| #2 | 8493.9 | 58461. | 8886.1 |
| #3 | 8508.5 | 58663. | 8884.3 |

Sample Name: 460-111532-G-6-B@4 Acquired: 4/11/2016 23:02:50 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 43260. | 12.87 | -7896 | 240.1 | 2.083 | 5026. |
| Stddev | 108. | 3.29 | .2862 | .8 | .175 | 9. |
| %RSD | .2489 | 25.54 | 36.25 | .3244 | 8.410 | .1887 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 43180. | 16.16 | -1.045 | 240.6 | 2.055 | 5015. |
| #2 | 43380. | 12.85 | -.4803 | 240.6 | 1.924 | 5033. |
| #3 | 43220. | 9.590 | -.8436 | 239.2 | 2.271 | 5031. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -7506 | 24.67 | 74.41 | 44.09 | 73180. | 1758. |
| Stddev | .0565 | .02 | .19 | .43 | 115. | 44. |
| %RSD | 7.521 | .0876 | .2608 | .9695 | .1567 | 2.484 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.7161 | 24.66 | 74.63 | 43.62 | 73050. | 1756. |
| #2 | -.7201 | 24.65 | 74.30 | 44.45 | 73250. | 1803. |
| #3 | -.8158 | 24.69 | 74.30 | 44.20 | 73250. | 1716. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-G-6-B@4 Acquired: 4/11/2016 23:02:50 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9527. | 1468. | 206.4 | 47.23 | 73.44 | 2.452 |
| Stddev | 20. | 3. | 2.8 | .58 | 1.40 | 1.376 |
| %RSD | .2055 | .1785 | 1.352 | 1.238 | 1.905 | 56.11 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 9507. | 1465. | 203.3 | 46.59 | 74.90 | 1.936 |
| #2 | 9546. | 1470. | 208.7 | 47.37 | 73.33 | 1.409 |
| #3 | 9529. | 1469. | 207.3 | 47.74 | 72.11 | 4.012 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.356 | -4.117 | 146.6 | 167.9 | -7.288 | 3.037 |
| Stddev | 2.969 | 3.673 | .5 | .6 | .2487 | .107 |
| %RSD | 126.0 | 892.2 | .3458 | .3576 | 34.13 | 3.537 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|---------------|--------------|
| #1 | 3.797 | 1.111 | 146.0 | 167.4 | -1.016 | 2.914 |
| #2 | 4.329 | 2.255 | 147.0 | 168.6 | -.6007 | 3.084 |
| #3 | -1.058 | -4.601 | 146.7 | 167.8 | -.5703 | 3.113 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111532-G-6-B@4 Acquired: 4/11/2016 23:02:50 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.175 | 24.27 | 805.8 | 892.4 |
| Stddev | .690 | .05 | 2.0 | 26.7 |
| %RSD | 16.54 | .2216 | .2432 | 2.993 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4.422 | 24.34 | 803.6 | 874.2 |
| #2 | 3.395 | 24.24 | 807.4 | 879.8 |
| #3 | 4.708 | 24.25 | 806.3 | 923.0 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9115.9 | 62679. | 9361.1 |
| Stddev | 28.4 | 273. | 55.0 |
| %RSD | .31149 | .43526 | .58713 |

| | | | |
|----|--------|--------|--------|
| #1 | 9099.9 | 62395. | 9378.9 |
| #2 | 9099.0 | 62702. | 9299.4 |
| #3 | 9148.6 | 62940. | 9404.9 |

Sample Name: CCB Acquired: 4/12/2016 0:21:27 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.76 | -.1992 | -.4935 | .2327 | -.0232 | -19.07 |
| Stddev | 5.74 | 2.194 | .3515 | .3095 | .1431 | 3.34 |
| %RSD | 48.79 | 1101. | 71.23 | 133.0 | 615.7 | 17.49 |

| | | | | | | |
|----|-------|--------|--------|--------|--------|--------|
| #1 | 14.55 | 2.280 | -.5202 | .5793 | .1244 | -16.53 |
| #2 | 15.58 | -.9898 | -.1293 | .1348 | -.0329 | -17.83 |
| #3 | 5.163 | -1.888 | -.8308 | -.0161 | -.1613 | -22.85 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0877 | -.0715 | .0304 | 1.931 | 17.58 | 74.27 |
| Stddev | .1263 | .0688 | .2686 | .324 | 5.61 | 15.54 |
| %RSD | 144.0 | 96.27 | 882.7 | 16.77 | 31.88 | 20.92 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | -.0252 | .0016 | -.1695 | 2.304 | 20.51 | 82.98 |
| #2 | .0642 | -.0810 | -.0750 | 1.768 | 11.12 | 56.33 |
| #3 | .2241 | -.1350 | .3358 | 1.721 | 21.12 | 83.51 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/12/2016 0:21:27 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.201 | .4136 | 111.4 | -.0497 | -.0362 | -.0079 |
| Stddev | 6.482 | .1623 | 30.8 | .3731 | 1.911 | .0853 |
| %RSD | 154.3 | 39.23 | 27.62 | 751.2 | 5278. | 1086. |
| #1 | 8.987 | .5874 | 143.3 | -.4475 | 2.084 | -.0921 |
| #2 | 6.792 | .3872 | 109.0 | .0059 | -.5666 | .0785 |
| #3 | -3.176 | .2661 | 81.94 | .2926 | -1.626 | -.0100 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.231 | -2.174 | .0133 | .3665 | 2.741 | 1.011 |
| Stddev | 4.184 | 1.637 | .1711 | .2871 | .549 | .310 |
| %RSD | 187.6 | 75.31 | 1285. | 78.35 | 20.02 | 30.68 |
| #1 | -.5960 | -3.628 | .1635 | .6516 | 3.146 | 1.151 |
| #2 | 7.038 | -.4007 | .0494 | .3704 | 2.960 | .6553 |
| #3 | .2508 | -2.492 | -.1730 | .0774 | 2.116 | 1.226 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/12/2016 0:21:27 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0364 | .3194 | .9386 | -2.981 |
| Stddev | .2071 | .2177 | .0739 | 14.65 |
| %RSD | 568.5 | 68.17 | 7.874 | 491.4 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .2473 | .5588 | .9624 | -19.88 |
| #2 | -.1668 | .2662 | .9977 | 6.134 |
| #3 | .0289 | .1332 | .8558 | 4.801 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8850.0 | 60592. | 8817.3 |
| Stddev | 15.6 | 334. | 59.9 |
| %RSD | .17598 | .55197 | .67907 |

| | | | |
|----|--------|--------|--------|
| #1 | 8833.7 | 60256. | 8768.2 |
| #2 | 8851.6 | 60925. | 8884.0 |
| #3 | 8864.8 | 60597. | 8799.8 |

Sample Name: 460-111807-F-2-A Acquired: 4/12/2016 0:33:05 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2094. | 28.38 | 1.103 | 258.2 | .9207 | 128400. |
| Stddev | 12. | 2.35 | .319 | .7 | .0421 | 213. |
| %RSD | .5504 | 8.280 | 28.95 | .2791 | 4.574 | .1660 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|---------|
| #1 | 2099. | 30.72 | .8228 | 258.3 | .8734 | 128100. |
| #2 | 2081. | 26.02 | 1.451 | 258.8 | .9543 | 128400. |
| #3 | 2103. | 28.39 | 1.035 | 257.4 | .9344 | 128500. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .6490 | 7.685 | 14.33 | 24.60 | 173400. | 24730. |
| Stddev | .2497 | .323 | .18 | .42 | 284. | 143. |
| %RSD | 38.47 | 4.196 | 1.269 | 1.712 | .1639 | .5774 |

| | | | | | | |
|----|-------|-------|-------|-------|---------|--------|
| #1 | .7742 | 7.371 | 14.24 | 24.13 | 173100. | 24570. |
| #2 | .8113 | 7.670 | 14.54 | 24.93 | 173600. | 24860. |
| #3 | .3615 | 8.015 | 14.22 | 24.76 | 173500. | 24750. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-2-A Acquired: 4/12/2016 0:33:05 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 166700. | 9715. | F 664300. | 11.24 | 11.51 | 5.299 |
| Stddev | 658. | 38. | 17380. | .13 | .78 | 1.740 |
| %RSD | .3949 | .3875 | 2.616 | 1.179 | 6.738 | 32.85 |
| #1 | 165900. | 9672. | 683400. | 11.17 | 11.80 | 4.457 |
| #2 | 166900. | 9730. | 660100. | 11.39 | 12.10 | 4.139 |
| #3 | 167200. | 9742. | 649400. | 11.14 | 10.63 | 7.300 |
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 250000. | | | |
| Low Limit | | | -5000. | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.327 | 15.90 | 67.08 | 192.8 | 341.2 | 3.352 |
| Stddev | 2.075 | 2.46 | .75 | .5 | 1.6 | .043 |
| %RSD | 32.79 | 15.49 | 1.122 | .2659 | .4834 | 1.275 |
| #1 | 7.114 | 18.17 | 66.26 | 192.2 | 339.3 | 3.321 |
| #2 | 3.974 | 13.29 | 67.24 | 193.2 | 342.5 | 3.401 |
| #3 | 7.892 | 16.24 | 67.74 | 193.0 | 341.7 | 3.334 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-2-A Acquired: 4/12/2016 0:33:05 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1626 | 1353. | 22.79 | F 27100. |
| Stddev | .1347 | 2. | .41 | 153. |
| %RSD | 82.80 | .1137 | 1.791 | .5642 |

| | | | | |
|----|---------------|--------------|--------------|---------------|
| #1 | -.3181 | 1352. | 22.37 | 26990. |
| #2 | -.0875 | 1354. | 22.80 | 27040. |
| #3 | -.0823 | 1355. | 23.19 | 27270. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit | | | | 20000. |
| Low Limit | | | | -200.0 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8157.7 | 56470. | 8737.0 |
| Stddev | 6.4 | 56. | 34.0 |
| %RSD | .07844 | .09898 | .38926 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8161.5 | 56534. | 8752.0 |
| #2 | 8150.3 | 56443. | 8698.0 |
| #3 | 8161.2 | 56432. | 8760.8 |

Sample Name: 460-111807-F-2-A@3 Acquired: 4/12/2016 0:37:07 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 701.2 | 8.470 | .1867 | 86.41 | .2512 | 42890. |
| Stddev | 5.8 | 1.784 | .3009 | .32 | .0690 | 115. |
| %RSD | .8324 | 21.06 | 161.2 | .3744 | 27.46 | .2679 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|--------|
| #1 | 700.9 | 6.459 | -.1067 | 86.09 | .2593 | 43010. |
| #2 | 707.2 | 9.863 | .1723 | 86.40 | .1786 | 42860. |
| #3 | 695.5 | 9.087 | .4946 | 86.74 | .3158 | 42780. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1173 | 2.541 | 5.245 | 8.961 | 59150. | 8182. |
| Stddev | .1204 | .144 | .267 | .572 | 110. | 56. |
| %RSD | 102.7 | 5.686 | 5.081 | 6.386 | .1860 | .6888 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | .0215 | 2.489 | 5.475 | 8.379 | 59270. | 8131. |
| #2 | -.1786 | 2.704 | 5.306 | 9.523 | 59140. | 8172. |
| #3 | -.1947 | 2.429 | 4.953 | 8.980 | 59050. | 8243. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-2-A@3 Acquired: 4/12/2016 0:37:07 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 55190. | 3379. | 231700. | 3.560 | 4.308 | 1.218 |
| Stddev | 95. | 3. | 448. | .310 | 1.201 | .522 |
| %RSD | .1715 | .0905 | .1932 | 8.700 | 27.86 | 42.86 |

| | | | | | | |
|----|---------------|--------------|----------------|--------------|--------------|--------------|
| #1 | 55300. | 3382. | 232100. | 3.918 | 2.939 | .8310 |
| #2 | 55140. | 3378. | 231200. | 3.384 | 4.808 | 1.011 |
| #3 | 55140. | 3376. | 231700. | 3.379 | 5.178 | 1.811 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.356 | 4.364 | 22.48 | 65.59 | 113.4 | .6507 |
| Stddev | 1.940 | .937 | .10 | .17 | .6 | .1765 |
| %RSD | 57.82 | 21.47 | .4345 | .2597 | .5605 | 27.13 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 1.974 | 3.746 | 22.39 | 65.52 | 113.6 | .7078 |
| #2 | 5.574 | 5.442 | 22.59 | 65.78 | 112.7 | .4527 |
| #3 | 2.520 | 3.904 | 22.47 | 65.46 | 113.9 | .7917 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-2-A@3 Acquired: 4/12/2016 0:37:07 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.8980 | 451.6 | 8.010 | 8799. |
| Stddev | .7632 | .3 | .338 | 109. |
| %RSD | 84.98 | .0674 | 4.216 | 1.236 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.1398 | 451.2 | 8.031 | 8674. |
| #2 | -.8883 | 451.8 | 7.662 | 8867. |
| #3 | -1.666 | 451.7 | 8.336 | 8857. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8522.1 | 58388. | 8854.4 |
| Stddev | 14.3 | 214. | 73.7 |
| %RSD | .16797 | .36660 | .83247 |

| | | | |
|----|--------|--------|--------|
| #1 | 8505.8 | 58144. | 8770.1 |
| #2 | 8532.4 | 58479. | 8906.6 |
| #3 | 8528.3 | 58542. | 8886.4 |

Sample Name: 460-111807-F-3-A Acquired: 4/12/2016 0:40:56 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2442. | 12.63 | 1.970 | 69.66 | .6338 | 74500. |
| Stddev | 26. | 1.01 | .176 | .37 | .1839 | 57. |
| %RSD | 1.048 | 8.028 | 8.944 | .5334 | 29.01 | .0769 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 2470. | 11.83 | 2.149 | 69.88 | .6360 | 74560. |
| #2 | 2419. | 12.28 | 1.797 | 69.88 | .4489 | 74480. |
| #3 | 2436. | 13.77 | 1.963 | 69.23 | .8165 | 74450. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.303 | 62.31 | 6.646 | 13.10 | 15030. | 18190. |
| Stddev | .053 | .14 | .107 | .18 | 21. | 46. |
| %RSD | 2.310 | .2320 | 1.606 | 1.374 | .1386 | .2545 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 2.242 | 62.47 | 6.598 | 13.15 | 15010. | 18190. |
| #2 | 2.329 | 62.23 | 6.572 | 12.91 | 15040. | 18250. |
| #3 | 2.338 | 62.22 | 6.769 | 13.26 | 15040. | 18150. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-3-A Acquired: 4/12/2016 0:40:56 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 44020. | F 11390. | F 330400. | 71.25 | 6.489 | -.6575 |
| Stddev | 99. | 5. | 4775. | 1.32 | 1.526 | .9498 |
| %RSD | .2245 | .0458 | 1.445 | 1.858 | 23.51 | 144.4 |
| #1 | 44090. | 11380. | 335800. | 72.66 | 7.416 | -.5238 |
| #2 | 44060. | 11390. | 328900. | 71.06 | 7.323 | -1.667 |
| #3 | 43910. | 11390. | 326600. | 70.03 | 4.729 | .2183 |
| Check ? | Chk Pass | Chk Fail | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 10000. | 250000. | | | |
| Low Limit | | -15.00 | -5000. | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.934 | 9.446 | 33.07 | 634.3 | 449.1 | .6141 |
| Stddev | 1.463 | .319 | .27 | 3.3 | 1.1 | .1604 |
| %RSD | 21.10 | 3.378 | .8157 | .5258 | .2378 | 26.13 |
| #1 | 6.001 | 9.696 | 32.78 | 636.5 | 450.3 | .5282 |
| #2 | 8.620 | 9.087 | 33.11 | 635.9 | 448.5 | .5149 |
| #3 | 6.179 | 9.556 | 33.32 | 630.4 | 448.3 | .7992 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-3-A Acquired: 4/12/2016 0:40:56 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0124 | 575.7 | 48.23 | 15520. |
| Stddev | .7608 | 1.6 | .44 | 91. |
| %RSD | 6115. | .2736 | .9077 | .5837 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .7999 | 577.4 | 48.43 | 15430. |
| #2 | -.1291 | 575.5 | 48.54 | 15540. |
| #3 | -.7081 | 574.3 | 47.73 | 15610. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8549.0 | 58611. | 8852.5 |
| Stddev | 22.1 | 139. | 54.4 |
| %RSD | .25812 | .23729 | .61442 |

| | | | |
|----|--------|--------|--------|
| #1 | 8563.1 | 58613. | 8789.7 |
| #2 | 8560.3 | 58750. | 8885.3 |
| #3 | 8523.6 | 58471. | 8882.4 |

Sample Name: 460-111807-F-5-A Acquired: 4/12/2016 0:44:59 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 255.9 | 34.02 | 4.247 | 99.78 | .0027 | 165600. |
| Stddev | 13.3 | 1.12 | .236 | .68 | .0631 | 219. |
| %RSD | 5.181 | 3.276 | 5.566 | .6790 | 2366. | .1323 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|---------|
| #1 | 260.6 | 34.01 | 4.155 | 100.3 | .0693 | 165300. |
| #2 | 240.9 | 35.14 | 4.071 | 100.0 | -.0051 | 165700. |
| #3 | 266.2 | 32.92 | 4.516 | 99.01 | -.0562 | 165600. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2753 | 8.241 | 16.22 | 5.008 | 153800. | 37330. |
| Stddev | .1001 | .222 | .34 | .113 | 99. | 148. |
| %RSD | 36.36 | 2.696 | 2.087 | 2.262 | .0644 | .3964 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.1665 | 8.450 | 16.60 | 5.014 | 153800. | 37210. |
| #2 | -.3634 | 8.264 | 15.95 | 4.891 | 153900. | 37280. |
| #3 | -.2961 | 8.008 | 16.10 | 5.118 | 153700. | 37500. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-5-A Acquired: 4/12/2016 0:44:59 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|----------------|-----------------|------------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 213200. | F 20960. | F 806500. | 8.827 | -2.487 | 7.754 |
| Stddev | 348. | 83. | 21850. | .656 | 1.055 | 2.745 |
| %RSD | .1630 | .3959 | 2.710 | 7.431 | 42.42 | 35.41 |
| #1 | 212800. | 20870. | 831700. | 9.510 | -3.702 | 5.504 |
| #2 | 213100. | 21030. | 793700. | 8.769 | -1.949 | 10.81 |
| #3 | 213500. | 20970. | 794000. | 8.202 | -1.809 | 6.944 |
| Check ? | Chk Pass | Chk Fail | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 10000. | 250000. | | | |
| Low Limit | | -15.00 | -5000. | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.14 | 25.20 | 52.71 | 35.93 | 389.5 | 6.801 |
| Stddev | 2.76 | 2.22 | .50 | .10 | .6 | .131 |
| %RSD | 27.21 | 8.794 | .9473 | .2735 | .1656 | 1.922 |
| #1 | 8.376 | 23.81 | 52.18 | 35.86 | 390.1 | 6.701 |
| #2 | 13.32 | 27.75 | 52.78 | 36.04 | 389.6 | 6.949 |
| #3 | 8.723 | 24.03 | 53.17 | 35.90 | 388.8 | 6.754 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-5-A Acquired: 4/12/2016 0:44:59 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.5418 | 1710. | 5.646 | F 26020. |
| Stddev | .0625 | 3. | .123 | 185. |
| %RSD | 11.54 | .1816 | 2.177 | .7118 |

| | | | | |
|----|---------------|--------------|--------------|---------------|
| #1 | -.5534 | 1711. | 5.637 | 25800. |
| #2 | -.5976 | 1707. | 5.773 | 26150. |
| #3 | -.4743 | 1713. | 5.527 | 26090. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit | | | | 20000. |
| Low Limit | | | | -200.0 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 7981.4 | 55489. | 8735.4 |
| Stddev | 16.6 | 59. | 38.8 |
| %RSD | .20747 | .10543 | .44412 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 7963.3 | 55518. | 8730.6 |
| #2 | 7985.2 | 55527. | 8776.3 |
| #3 | 7995.8 | 55422. | 8699.1 |

Sample Name: 460-111807-F-5-A@3 Acquired: 4/12/2016 0:49:03 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 84.62 | 10.63 | 1.085 | 33.39 | .0548 | 55700. |
| Stddev | 11.86 | 1.85 | .238 | .23 | .0974 | 217. |
| %RSD | 14.02 | 17.37 | 21.91 | .6972 | 177.9 | .3900 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 97.85 | 12.43 | .8292 | 33.42 | -.0408 | 55550. |
| #2 | 74.93 | 8.743 | 1.299 | 33.14 | .0511 | 55950. |
| #3 | 81.08 | 10.71 | 1.128 | 33.60 | .1540 | 55600. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4986 | 2.801 | 5.520 | 2.979 | 52810. | 12260. |
| Stddev | .0890 | .321 | .424 | .115 | 231. | 128. |
| %RSD | 17.84 | 11.44 | 7.684 | 3.848 | .4382 | 1.046 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|--------|
| #1 | -.5844 | 2.461 | 5.407 | 2.979 | 52680. | 12170. |
| #2 | -.4068 | 3.098 | 5.990 | 3.094 | 53080. | 12210. |
| #3 | -.5047 | 2.844 | 5.164 | 2.865 | 52680. | 12410. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-5-A@3 Acquired: 4/12/2016 0:49:03 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 70810. | 7562. | F 292100. | 3.738 | -.6587 | 1.351 |
| Stddev | 205. | 21. | 1833. | .463 | 1.015 | .915 |
| %RSD | .2890 | .2775 | .6275 | 12.38 | 154.1 | 67.73 |

| | | | | | | |
|----|--------|-------|---------|-------|--------|-------|
| #1 | 70720. | 7552. | 290700. | 4.248 | -1.797 | 1.205 |
| #2 | 71040. | 7586. | 294200. | 3.344 | -.3287 | .5175 |
| #3 | 70670. | 7548. | 291500. | 3.623 | .1501 | 2.330 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 250000. | | | |
| Low Limit | | | -5000. | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.005 | 9.405 | 18.85 | 12.11 | 128.5 | 1.979 |
| Stddev | 1.306 | .882 | .13 | .14 | .6 | .153 |
| %RSD | 32.60 | 9.383 | .7137 | 1.179 | .4851 | 7.728 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.054 | 9.506 | 18.95 | 12.10 | 128.7 | 2.099 |
| #2 | 3.467 | 8.476 | 18.91 | 12.25 | 128.9 | 1.807 |
| #3 | 5.493 | 10.23 | 18.70 | 11.97 | 127.8 | 2.032 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-5-A@3 Acquired: 4/12/2016 0:49:03 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.4550 | 569.7 | 2.276 | 8163. |
| Stddev | .3196 | .8 | .150 | 57. |
| %RSD | 70.26 | .1431 | 6.600 | .7008 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.2613 | 568.9 | 2.351 | 8229. |
| #2 | -.2797 | 569.6 | 2.373 | 8127. |
| #3 | -.8239 | 570.5 | 2.103 | 8133. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8454.5 | 57972. | 8779.5 |
| Stddev | 30.2 | 110. | 83.4 |
| %RSD | .35748 | .19017 | .95037 |

| | | | |
|----|--------|--------|--------|
| #1 | 8434.2 | 57975. | 8858.7 |
| #2 | 8440.1 | 57860. | 8787.4 |
| #3 | 8489.3 | 58080. | 8692.4 |

Sample Name: 460-111807-F-6-A Acquired: 4/12/2016 0:53:02 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.518 | -.0816 | -.4085 | .1747 | -.0978 | -19.35 |
| Stddev | 1.451 | .9680 | .7680 | .2648 | .0371 | 3.65 |
| %RSD | 17.03 | 1186. | 188.0 | 151.6 | 37.94 | 18.86 |

| | | | | | | |
|----|-------|--------|--------|--------|--------|--------|
| #1 | 8.074 | -1.195 | -.2601 | -.0281 | -.0695 | -19.33 |
| #2 | 10.14 | .3916 | -1.240 | .4743 | -.0840 | -15.71 |
| #3 | 7.341 | .5588 | .2745 | .0779 | -.1398 | -23.01 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0683 | .0894 | -.2501 | 2.006 | 7.693 | 83.81 |
| Stddev | .0876 | .0960 | .2387 | .175 | 5.129 | 39.40 |
| %RSD | 128.3 | 107.4 | 95.44 | 8.710 | 66.68 | 47.01 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | .1325 | .1952 | -.4534 | 1.841 | 13.56 | 127.2 |
| #2 | .1039 | .0079 | .0128 | 2.189 | 5.474 | 74.07 |
| #3 | -.0315 | .0651 | -.3097 | 1.986 | 4.046 | 50.19 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-6-A Acquired: 4/12/2016 0:53:02 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.813 | .6918 | 245.2 | 2.031 | -.5513 | -1.895 |
| Stddev | 3.259 | .3146 | 64.0 | .374 | .2093 | 2.408 |
| %RSD | 47.84 | 45.48 | 26.10 | 18.40 | 37.97 | 127.1 |
| #1 | 3.903 | 1.053 | 315.4 | 2.024 | -.3628 | -4.675 |
| #2 | 6.201 | .5450 | 229.9 | 2.409 | -.7766 | -.5072 |
| #3 | 10.34 | .4774 | 190.2 | 1.661 | -.5147 | -.5023 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7708 | -1.246 | .1109 | .6092 | 7.761 | -.4365 |
| Stddev | 2.224 | .925 | .2624 | .0801 | .404 | .6183 |
| %RSD | 288.5 | 74.20 | 236.6 | 13.16 | 5.201 | 141.6 |
| #1 | 1.669 | -.2568 | .4078 | .6894 | 8.071 | -1.126 |
| #2 | -2.684 | -1.393 | -.0896 | .5291 | 7.305 | -.2514 |
| #3 | -1.297 | -2.089 | .0145 | .6092 | 7.907 | .0681 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111807-F-6-A Acquired: 4/12/2016 0:53:02 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2542 | .2310 | -.8454 | 60.93 |
| Stddev | .3662 | .0735 | .1226 | 14.87 |
| %RSD | 144.0 | 31.83 | 14.51 | 24.40 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | .2776 | .3093 | -.7474 | 44.10 |
| #2 | -.1230 | .2201 | -.8058 | 72.26 |
| #3 | .6082 | .1635 | -.9829 | 66.45 |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8881.4 | 60981. | 8945.8 |
| Stddev | 43.8 | 315. | 74.8 |
| %RSD | .49306 | .51577 | .83640 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8901.4 | 61083. | 8938.1 |
| #2 | 8911.6 | 61232. | 9024.2 |
| #3 | 8831.2 | 60628. | 8875.2 |

Sample Name: 460-111791-A-14-A Acquired: 4/12/2016 0:56:57 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 30.37 | -1.070 | -.2896 | 23.84 | -.0899 | 19870. |
| Stddev | 11.77 | .339 | .4246 | .18 | .1173 | 83. |
| %RSD | 38.76 | 31.69 | 146.6 | .7498 | 130.5 | .4193 |
| #1 | 21.41 | -1.027 | -.7045 | 23.99 | -.1448 | 19770. |
| #2 | 43.70 | -1.428 | -.3083 | 23.64 | -.1696 | 19920. |
| #3 | 26.01 | -.7542 | .1441 | 23.89 | .0448 | 19910. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0188 | -.2218 | -.2053 | 20.83 | 29.12 | 1317. |
| Stddev | .0690 | .2641 | .3022 | .18 | 6.71 | 55. |
| %RSD | 366.5 | 119.1 | 147.2 | .8463 | 23.06 | 4.187 |
| #1 | -.0983 | -.0230 | -.4073 | 21.03 | 31.00 | 1256. |
| #2 | .0162 | -.1210 | .1421 | 20.74 | 21.67 | 1331. |
| #3 | .0256 | -.5215 | -.3509 | 20.72 | 34.69 | 1364. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111791-A-14-A Acquired: 4/12/2016 0:56:57 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7053. | 4.841 | 48460. | 4.581 | 3.717 | -1.569 |
| Stddev | 69. | .089 | 43. | .346 | .793 | 1.001 |
| %RSD | .9736 | 1.838 | .0893 | 7.564 | 21.35 | 63.78 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|--------|
| #1 | 6974. | 4.944 | 48420. | 4.763 | 2.816 | -1.041 |
| #2 | 7095. | 4.796 | 48450. | 4.798 | 4.314 | -2.724 |
| #3 | 7090. | 4.784 | 48500. | 4.181 | 4.020 | -.9430 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .6798 | -1.297 | .2727 | 61.42 | 20.96 | -.3659 |
| Stddev | .8115 | 3.435 | .3009 | .60 | .66 | .0889 |
| %RSD | 119.4 | 264.9 | 110.4 | .9748 | 3.158 | 24.29 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | .7669 | -5.226 | .1618 | 60.87 | 20.47 | -.4350 |
| #2 | -.1717 | .1967 | .6133 | 62.06 | 21.71 | -.2656 |
| #3 | 1.444 | 1.139 | .0429 | 61.32 | 20.69 | -.3970 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111791-A-14-A Acquired: 4/12/2016 0:56:57 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4323 | 85.44 | .3618 | 2893. |
| Stddev | .6453 | .79 | .1789 | 43. |
| %RSD | 149.3 | .9229 | 49.46 | 1.495 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.0008 | 84.54 | .2007 | 2843. |
| #2 | .1238 | 85.77 | .3303 | 2916. |
| #3 | 1.174 | 86.00 | .5544 | 2921. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8720.6 | 59419. | 8729.8 |
| Stddev | 24.5 | 264. | 40.7 |
| %RSD | .28093 | .44482 | .46646 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8748.3 | 59724. | 8737.8 |
| #2 | 8701.8 | 59248. | 8765.9 |
| #3 | 8711.8 | 59286. | 8685.7 |

Sample Name: 460-111792-A-15-A Acquired: 4/12/2016 1:00:47 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 25.81 | -.7878 | -.5537 | 26.40 | -.1330 | 20440. |
| Stddev | 8.76 | .4367 | .0524 | .09 | .1395 | 144. |
| %RSD | 33.95 | 55.43 | 9.458 | .3339 | 104.9 | .7062 |
| #1 | 16.16 | -1.114 | -.5390 | 26.32 | -.1488 | 20610. |
| #2 | 28.00 | -.2918 | -.6118 | 26.39 | -.2641 | 20350. |
| #3 | 33.27 | -.9574 | -.5102 | 26.49 | .0137 | 20370. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0867 | .1498 | .2060 | 69.62 | 16.61 | 1384. |
| Stddev | .0539 | .0651 | .4921 | .18 | 8.95 | 25. |
| %RSD | 62.13 | 43.49 | 238.9 | .2570 | 53.89 | 1.806 |
| #1 | .0995 | .2152 | .6275 | 69.80 | 6.977 | 1375. |
| #2 | .0276 | .0849 | -.3348 | 69.44 | 18.19 | 1412. |
| #3 | .1330 | .1493 | .3255 | 69.61 | 24.67 | 1365. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111792-A-15-A Acquired: 4/12/2016 1:00:47 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7336. | 1.356 | 49900. | 1.168 | -1.215 | -2.125 |
| Stddev | 61. | .028 | 95. | .141 | .711 | .295 |
| %RSD | .8248 | 2.040 | .1914 | 12.07 | 58.49 | 13.89 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 7364. | 1.377 | 49790. | 1.022 | -1.179 | -2.108 |
| #2 | 7267. | 1.325 | 49920. | 1.178 | -.5227 | -2.429 |
| #3 | 7377. | 1.366 | 49980. | 1.303 | -1.942 | -1.839 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.742 | -.5998 | -.1530 | 20.32 | 26.82 | -.4073 |
| Stddev | 2.719 | 2.515 | .2873 | .12 | .59 | .2360 |
| %RSD | 156.1 | 419.3 | 187.8 | .5938 | 2.186 | 57.95 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | 1.393 | -2.007 | .0082 | 20.46 | 26.40 | -.2959 |
| #2 | -3.168 | 2.304 | .0176 | 20.25 | 26.58 | -.2476 |
| #3 | -3.452 | -2.096 | -.4847 | 20.25 | 27.49 | -.6784 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111792-A-15-A Acquired: 4/12/2016 1:00:47 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2757 | 91.10 | .1000 | 3080. |
| Stddev | .5208 | 1.11 | .0528 | 97. |
| %RSD | 188.9 | 1.217 | 52.84 | 3.156 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .1586 | 89.85 | .0633 | 2981. |
| #2 | -.1766 | 91.51 | .1605 | 3083. |
| #3 | .8450 | 91.96 | .0761 | 3175. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8743.1 | 59572. | 8767.4 |
| Stddev | 55.2 | 651. | 197.9 |
| %RSD | .63167 | 1.0934 | 2.2571 |

| | | | |
|----|--------|--------|--------|
| #1 | 8680.2 | 58831. | 8539.8 |
| #2 | 8783.5 | 60054. | 8898.4 |
| #3 | 8765.8 | 59831. | 8864.2 |

Sample Name: 460-111809-E-2-A Acquired: 4/12/2016 1:04:39 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15.69 | -.3058 | -.5521 | 346.5 | -.1142 | 67730. |
| Stddev | 10.08 | 1.361 | .0726 | 1.6 | .1595 | 263. |
| %RSD | 64.21 | 445.0 | 13.14 | .4593 | 139.7 | .3886 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 7.395 | -1.876 | -.4830 | 348.1 | -.0301 | 67610. |
| #2 | 12.78 | .4375 | -.5456 | 346.4 | -.2982 | 68030. |
| #3 | 26.91 | .5213 | -.6277 | 344.9 | -.0143 | 67550. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0000 | -.1594 | -.7977 | 2.467 | 69.67 | 3760. |
| Stddev | .1153 | .1341 | .5623 | .459 | 4.70 | 43. |
| %RSD | 471800. | 84.11 | 70.49 | 18.61 | 6.751 | 1.142 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | -.1007 | -.1955 | -.1594 | 2.015 | 73.66 | 3740. |
| #2 | -.0250 | -.0110 | -1.014 | 2.453 | 64.48 | 3731. |
| #3 | .1258 | -.2718 | -1.220 | 2.933 | 70.86 | 3810. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111809-E-2-A Acquired: 4/12/2016 1:04:39 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15610. | 26.60 | 73320. | 3.465 | .3641 | -1.468 |
| Stddev | 46. | .15 | 309. | .331 | .3625 | .935 |
| %RSD | .2965 | .5631 | .4218 | 9.554 | 99.58 | 63.73 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 15610. | 26.44 | 73520. | 3.410 | .2421 | -.7508 |
| #2 | 15660. | 26.62 | 73470. | 3.821 | .7719 | -2.526 |
| #3 | 15570. | 26.74 | 72960. | 3.165 | .0782 | -1.126 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.408 | -1.501 | .0315 | 3.808 | 84.40 | -.6929 |
| Stddev | 1.309 | 2.587 | .1074 | .090 | .72 | .1205 |
| %RSD | 93.00 | 172.3 | 341.0 | 2.362 | .8486 | 17.40 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | -2.843 | .7326 | .1546 | 3.820 | 83.71 | -.8321 |
| #2 | -.2787 | -4.335 | -.0168 | 3.712 | 84.33 | -.6246 |
| #3 | -1.102 | -.9006 | -.0433 | 3.891 | 85.14 | -.6220 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111809-E-2-A Acquired: 4/12/2016 1:04:39 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2785 | 242.3 | .7110 | 6505. |
| Stddev | .6765 | .9 | .1269 | 37. |
| %RSD | 242.9 | .3773 | 17.85 | .5720 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.4595 | 242.5 | .5702 | 6501. |
| #2 | .4259 | 243.1 | .7462 | 6544. |
| #3 | .8691 | 241.3 | .8166 | 6470. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8596.4 | 58463. | 8608.3 |
| Stddev | 23.8 | 172. | 28.2 |
| %RSD | .27636 | .29482 | .32744 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8575.2 | 58563. | 8600.9 |
| #2 | 8591.8 | 58264. | 8639.4 |
| #3 | 8622.1 | 58563. | 8584.5 |

Sample Name: CCV Acquired: 4/12/2016 1:08:31 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 122500. | 2452. | 1199. | 9850. | 1005. | 120000. |
| Stddev | 283. | 9. | 3. | 9. | 3. | 425. |
| %RSD | .2311 | .3832 | .2481 | .0916 | .2717 | .3540 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 122300. | 2442. | 1196. | 9843. | 1002. | 120100. |
| #2 | 122300. | 2453. | 1199. | 9847. | 1006. | 119500. |
| #3 | 122800. | 2460. | 1202. | 9860. | 1007. | 120300. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1212. | 2426. | 4901. | 12180. | 97320. | 49250. |
| Stddev | 1. | 3. | 19. | 41. | 255. | 106. |
| %RSD | .1237 | .1273 | .3939 | .3375 | .2615 | .2146 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1211. | 2422. | 4890. | 12130. | 97320. | 49150. |
| #2 | 1212. | 2426. | 4889. | 12190. | 97070. | 49250. |
| #3 | 1214. | 2429. | 4923. | 12210. | 97580. | 49360. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/12/2016 1:08:31 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 122400. | 5037. | 125400. | 2457. | 7307. | 979.3 |
| Stddev | 315. | 13. | 149. | 4. | 21. | 3.5 |
| %RSD | .2576 | .2579 | .1185 | .1671 | .2813 | .3583 |

| | | | | | | |
|----|----------------|--------------|----------------|--------------|--------------|--------------|
| #1 | 122400. | 5038. | 125300. | 2455. | 7283. | 975.3 |
| #2 | 122100. | 5023. | 125300. | 2455. | 7316. | 981.6 |
| #3 | 122700. | 5049. | 125600. | 2462. | 7322. | 981.1 |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2379. | 2402. | 2416. | 2419. | 972.0 | 2356. |
| Stddev | 10. | 5. | 5. | 7. | 2.7 | 3. |
| %RSD | .4145 | .1987 | .1941 | .2779 | .2772 | .1088 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 2374. | 2406. | 2411. | 2412. | 968.9 | 2358. |
| #2 | 2372. | 2397. | 2415. | 2419. | 973.8 | 2353. |
| #3 | 2390. | 2404. | 2420. | 2425. | 973.3 | 2358. |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/12/2016 1:08:31 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 960.7 | 4976. | 9978. | 9463. |
| Stddev | 2.5 | 4. | 16. | 59. |
| %RSD | .2619 | .0831 | .1617 | .6198 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 957.9 | 4972. | 9966. | 9395. |
| #2 | 962.6 | 4977. | 9971. | 9501. |
| #3 | 961.7 | 4980. | 9996. | 9492. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8286.4 | 57333. | 8715.4 |
| Stddev | 12.3 | 339. | 59.7 |
| %RSD | .14857 | .59064 | .68478 |

| | | | |
|----|--------|--------|--------|
| #1 | 8277.5 | 56991. | 8662.2 |
| #2 | 8300.5 | 57669. | 8779.9 |
| #3 | 8281.3 | 57340. | 8704.1 |

Sample Name: CCB Acquired: 4/12/2016 1:12:00 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.762 | -.8544 | -.7858 | .0577 | -.0276 | -34.54 |
| Stddev | 6.165 | 1.036 | .2288 | .0585 | .0326 | 3.72 |
| %RSD | 79.42 | 121.2 | 29.11 | 101.3 | 118.2 | 10.78 |
| #1 | -14.46 | -1.897 | -1.014 | .0333 | -.0440 | -34.85 |
| #2 | -6.509 | -.8394 | -.5566 | .0153 | -.0488 | -38.09 |
| #3 | -2.320 | .1737 | -.7867 | .1244 | .0100 | -30.67 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0131 | -.0991 | -.1751 | 2.175 | 13.18 | 45.74 |
| Stddev | .0838 | .1268 | .3043 | .198 | 14.19 | 40.21 |
| %RSD | 637.2 | 127.9 | 173.8 | 9.093 | 107.7 | 87.91 |
| #1 | -.0971 | -.0019 | -.2201 | 2.201 | 2.059 | 91.15 |
| #2 | -.0128 | -.2426 | -.4544 | 2.359 | 29.17 | 31.37 |
| #3 | .0704 | -.0529 | .1493 | 1.966 | 8.312 | 14.68 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/12/2016 1:12:00 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.528 | .0890 | 101.2 | .1087 | -.3134 | .4097 |
| Stddev | .962 | .0709 | 17.5 | .1008 | .6523 | 1.525 |
| %RSD | 63.00 | 79.64 | 17.31 | 92.79 | 208.2 | 372.2 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 2.312 | .1681 | 119.4 | .1382 | .4391 | -.5554 |
| #2 | .4539 | .0314 | 99.90 | -.0036 | -.7174 | 2.168 |
| #3 | 1.817 | .0674 | 84.42 | .1915 | -.6618 | -.3832 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.572 | -1.403 | -.2323 | -.1542 | 2.802 | .9824 |
| Stddev | 1.180 | 2.052 | .2820 | .0622 | 1.014 | .3526 |
| %RSD | 75.06 | 146.3 | 121.4 | 40.34 | 36.18 | 35.90 |

| | | | | | | |
|----|-------|--------|--------|--------|-------|-------|
| #1 | .2148 | .2237 | -.0579 | -.0843 | 3.677 | 1.074 |
| #2 | 2.353 | -3.708 | -.5576 | -.2034 | 3.039 | .5931 |
| #3 | 2.147 | -.7233 | -.0813 | -.1748 | 1.691 | 1.280 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/12/2016 1:12:00 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0330 | .1597 | .6808 | -4.746 |
| Stddev | .5217 | .1055 | .1413 | 19.50 |
| %RSD | 1581. | 66.05 | 20.76 | 410.8 |

| | | | | |
|----|---------------|--------------|--------------|---------------|
| #1 | -.5673 | .1949 | .5310 | -15.73 |
| #2 | .3770 | .0411 | .6998 | -16.27 |
| #3 | .2892 | .2431 | .8117 | 17.76 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8711.1 | 59288. | 8549.0 |
| Stddev | 53.6 | 300. | 81.6 |
| %RSD | .61558 | .50679 | .95426 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8769.2 | 59579. | 8602.9 |
| #2 | 8700.9 | 59308. | 8588.9 |
| #3 | 8663.4 | 58979. | 8455.1 |

Sample Name: CCVL Acquired: 4/12/2016 1:15:54 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.6 | 14.00 | 8.820 | 202.8 | 2.007 | 4924. |
| Stddev | 6.9 | 1.46 | .227 | .4 | .075 | 13. |
| %RSD | 3.465 | 10.41 | 2.577 | .1905 | 3.731 | .2710 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 191.4 | 12.76 | 8.888 | 202.9 | 1.945 | 4908. |
| #2 | 205.1 | 15.60 | 9.005 | 203.1 | 1.985 | 4930. |
| #3 | 199.3 | 13.63 | 8.566 | 202.4 | 2.090 | 4932. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.034 | 51.12 | 9.706 | 25.92 | 167.7 | 5010. |
| Stddev | .116 | .29 | .213 | .34 | 7.6 | 87. |
| %RSD | 2.877 | .5624 | 2.191 | 1.315 | 4.554 | 1.734 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.902 | 51.29 | 9.952 | 25.72 | 176.2 | 4921. |
| #2 | 4.122 | 51.28 | 9.583 | 25.73 | 161.5 | 5094. |
| #3 | 4.076 | 50.79 | 9.584 | 26.32 | 165.4 | 5016. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/12/2016 1:15:54 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4959. | 16.48 | 5137. | 42.06 | 10.31 | 18.48 |
| Stddev | 34. | .17 | 14. | .25 | .80 | .77 |
| %RSD | .6805 | 1.036 | .2796 | .6008 | 7.713 | 4.175 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4920. | 16.30 | 5150. | 42.34 | 10.40 | 17.77 |
| #2 | 4978. | 16.64 | 5138. | 41.84 | 11.06 | 18.38 |
| #3 | 4980. | 16.51 | 5122. | 42.02 | 9.475 | 19.30 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.33 | 18.11 | 50.19 | 30.50 | 49.51 | 19.22 |
| Stddev | 1.57 | 1.75 | .35 | .12 | .33 | .03 |
| %RSD | 8.119 | 9.668 | .6876 | .4031 | .6651 | .1704 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 18.44 | 18.55 | 49.81 | 30.64 | 49.89 | 19.18 |
| #2 | 21.14 | 19.61 | 50.28 | 30.45 | 49.29 | 19.25 |
| #3 | 18.40 | 16.19 | 50.48 | 30.42 | 49.36 | 19.21 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/12/2016 1:15:54 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 49.00 | 21.24 | 20.84 | F 7.713 |
| Stddev | .64 | .35 | .17 | 19.27 |
| %RSD | 1.314 | 1.634 | .8033 | 249.8 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 48.81 | 20.84 | 20.69 | .4713 |
| #2 | 49.71 | 21.43 | 20.82 | 29.55 |
| #3 | 48.46 | 21.45 | 21.02 | -6.883 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8832.2 | 60592. | 8855.5 |
| Stddev | 14.2 | 139. | 56.4 |
| %RSD | .16106 | .22973 | .63713 |

| | | | |
|----|--------|--------|--------|
| #1 | 8827.8 | 60736. | 8901.6 |
| #2 | 8820.6 | 60581. | 8872.3 |
| #3 | 8848.0 | 60458. | 8792.6 |

Sample Name: 460-111809-E-3-A Acquired: 4/12/2016 1:19:44 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 63.00 | 1.700 | -.1885 | 402.8 | -.0671 | 68550. |
| Stddev | 7.69 | .674 | .3968 | 1.8 | .0837 | 257. |
| %RSD | 12.20 | 39.69 | 210.5 | .4519 | 124.7 | .3750 |
| #1 | 71.85 | 1.854 | .2463 | 404.1 | -.0523 | 68850. |
| #2 | 59.22 | 2.284 | -.5310 | 403.6 | -.1573 | 68450. |
| #3 | 57.95 | .9613 | -.2809 | 400.7 | .0082 | 68370. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0176 | -.1043 | -.6469 | 2.552 | 24.72 | 4261. |
| Stddev | .1101 | .1390 | .1108 | .172 | 1.99 | 22. |
| %RSD | 626.2 | 133.3 | 17.13 | 6.723 | 8.048 | .5092 |
| #1 | -.0959 | -.1985 | -.6900 | 2.427 | 24.36 | 4236. |
| #2 | .0247 | .0554 | -.5210 | 2.747 | 26.87 | 4277. |
| #3 | .1239 | -.1697 | -.7297 | 2.480 | 22.94 | 4268. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111809-E-3-A Acquired: 4/12/2016 1:19:44 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15560. | 1872. | 74600. | 2.836 | .1782 | -1.323 |
| Stddev | 60. | 5. | 33. | .150 | .8721 | .191 |
| %RSD | .3877 | .2847 | .0443 | 5.279 | 489.3 | 14.42 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|---------------|---------------|
| #1 | 15630. | 1878. | 74610. | 2.666 | .8530 | -1.332 |
| #2 | 15540. | 1870. | 74630. | 2.949 | -.8065 | -1.128 |
| #3 | 15520. | 1868. | 74570. | 2.892 | .4883 | -1.510 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5252 | -.1215 | 3.103 | 7.231 | 87.30 | .0715 |
| Stddev | 2.834 | 2.116 | .240 | .141 | .54 | .1624 |
| %RSD | 539.6 | 1742. | 7.724 | 1.946 | .6242 | 227.2 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|--------------|---------------|
| #1 | 2.523 | -2.561 | 3.363 | 7.261 | 87.17 | .0710 |
| #2 | -3.081 | 1.225 | 3.058 | 7.354 | 86.83 | .2341 |
| #3 | -1.018 | .9716 | 2.890 | 7.078 | 87.89 | -.0907 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111809-E-3-A Acquired: 4/12/2016 1:19:44 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.2305 | 247.0 | .9070 | 6753. |
| Stddev | .3120 | .2 | .1671 | 78. |
| %RSD | 135.4 | .0730 | 18.43 | 1.158 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.0100 | 247.2 | .7153 | 6693. |
| #2 | -.0940 | 247.1 | 1.022 | 6725. |
| #3 | -.5874 | 246.8 | .9837 | 6842. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8589.5 | 58912. | 8717.6 |
| Stddev | 16.0 | 167. | 56.8 |
| %RSD | .18676 | .28395 | .65101 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8575.4 | 58719. | 8760.9 |
| #2 | 8607.0 | 59019. | 8653.4 |
| #3 | 8586.3 | 58999. | 8738.5 |

Sample Name: 460-111809-E-4-A Acquired: 4/12/2016 1:23:35 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 64.87 | 4.246 | -.0098 | 479.7 | -.0716 | 70480. |
| Stddev | 7.03 | .887 | .5056 | 1.5 | .1969 | 663. |
| %RSD | 10.84 | 20.88 | 5173. | .3024 | 275.0 | .9400 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 72.36 | 5.211 | .5632 | 480.8 | .1356 | 69910. |
| #2 | 58.41 | 3.466 | -.3933 | 480.3 | -.0943 | 70330. |
| #3 | 63.84 | 4.061 | -.1992 | 478.1 | -.2562 | 71210. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0022 | .0408 | -.3012 | 2.244 | 5581. | 6247. |
| Stddev | .0256 | .2917 | .2112 | .145 | 51. | 87. |
| %RSD | 1136. | 715.0 | 70.12 | 6.463 | .9096 | 1.398 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | .0063 | -.1291 | -.0578 | 2.200 | 5523. | 6157. |
| #2 | .0256 | .3776 | -.4356 | 2.406 | 5602. | 6252. |
| #3 | -.0251 | -.1262 | -.4104 | 2.126 | 5617. | 6331. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111809-E-4-A Acquired: 4/12/2016 1:23:35 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15460. | 2145. | 63410. | 1.988 | -1.012 | -1.734 |
| Stddev | 127. | 12. | 160. | .800 | 1.180 | .383 |
| %RSD | .8217 | .5497 | .2522 | 40.23 | 116.7 | 22.07 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|---------------|---------------|
| #1 | 15360. | 2135. | 63310. | 1.305 | -.7684 | -1.360 |
| #2 | 15410. | 2142. | 63330. | 1.792 | .0280 | -1.717 |
| #3 | 15600. | 2158. | 63600. | 2.868 | -2.294 | -2.125 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.289 | -.1176 | 3.886 | 3.308 | 92.82 | -.1077 |
| Stddev | 2.208 | .0227 | .275 | .119 | .35 | .2124 |
| %RSD | 171.3 | 19.27 | 7.069 | 3.610 | .3729 | 197.2 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|--------------|---------------|
| #1 | -3.769 | -.1301 | 3.939 | 3.430 | 93.20 | -.3295 |
| #2 | .4646 | -.1313 | 4.131 | 3.302 | 92.74 | -.0877 |
| #3 | -.5631 | -.0914 | 3.589 | 3.191 | 92.52 | .0940 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111809-E-4-A Acquired: 4/12/2016 1:23:35 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3354 | 258.0 | 1.017 | 9103. |
| Stddev | .9016 | .3 | .167 | 129. |
| %RSD | 268.8 | .1145 | 16.39 | 1.415 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .7053 | 258.3 | 1.133 | 9081. |
| #2 | -.8795 | 257.9 | .8261 | 9241. |
| #3 | -.8319 | 257.7 | 1.092 | 8986. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8494.1 | 58339. | 8763.2 |
| Stddev | 47.8 | 753. | 221.4 |
| %RSD | .56325 | 1.2902 | 2.5263 |

| | | | |
|----|--------|--------|--------|
| #1 | 8530.8 | 58907. | 8899.1 |
| #2 | 8511.4 | 58624. | 8882.8 |
| #3 | 8440.0 | 57485. | 8507.8 |

Sample Name: 460-111895-A-1-A Acquired: 4/12/2016 1:27:24 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.68 | .0993 | -.3835 | .4889 | -.1976 | 192.4 |
| Stddev | 1.39 | 2.240 | .3585 | .1782 | .1125 | 5.7 |
| %RSD | 5.198 | 2255. | 93.50 | 36.45 | 56.93 | 2.948 |
| #1 | 26.37 | -1.652 | -.7685 | .6900 | -.3153 | 187.7 |
| #2 | 28.20 | -.6732 | -.0593 | .3509 | -.0912 | 198.7 |
| #3 | 25.47 | 2.624 | -.3226 | .4257 | -.1862 | 190.9 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0130 | -.1220 | .0658 | 5.092 | 109.8 | 231.1 |
| Stddev | .0418 | .1115 | .2514 | .504 | 4.8 | 34.6 |
| %RSD | 322.0 | 91.44 | 381.9 | 9.906 | 4.388 | 14.97 |
| #1 | .0565 | -.0453 | .0937 | 5.602 | 109.6 | 200.9 |
| #2 | .0094 | -.0707 | .3022 | 5.081 | 114.7 | 268.8 |
| #3 | -.0269 | -.2499 | -.1984 | 4.593 | 105.1 | 223.5 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111895-A-1-A Acquired: 4/12/2016 1:27:24 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 57.67 | 7.699 | 195100. | .6054 | 1.326 | -1.270 |
| Stddev | 1.58 | .095 | 668. | .0742 | .606 | .237 |
| %RSD | 2.736 | 1.235 | .3423 | 12.26 | 45.72 | 18.67 |

| | | | | | | |
|----|-------|-------|---------|-------|-------|--------|
| #1 | 55.84 | 7.798 | 195700. | .6491 | 1.193 | -1.503 |
| #2 | 58.55 | 7.692 | 195200. | .5198 | 1.988 | -1.029 |
| #3 | 58.61 | 7.608 | 194400. | .6475 | .7974 | -1.277 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.677 | -.6364 | .1358 | 14.15 | 31.45 | -.5250 |
| Stddev | 1.372 | .7004 | .2607 | .06 | .37 | .1898 |
| %RSD | 81.81 | 110.1 | 191.9 | .4125 | 1.161 | 36.15 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|--------|
| #1 | 3.167 | -.1532 | .3318 | 14.12 | 31.85 | -.4464 |
| #2 | .4646 | -1.440 | .2359 | 14.22 | 31.37 | -.7415 |
| #3 | 1.401 | -.3164 | -.1601 | 14.11 | 31.13 | -.3872 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111895-A-1-A Acquired: 4/12/2016 1:27:24 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1047 | 1.285 | -.8834 | 1996. |
| Stddev | .6606 | .044 | .1150 | 31. |
| %RSD | 630.7 | 3.436 | 13.02 | 1.540 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | .0515 | 1.253 | -.9909 | 1961. |
| #2 | -.8295 | 1.268 | -.7621 | 2020. |
| #3 | .4637 | 1.336 | -.8970 | 2008. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8634.4 | 58219. | 8560.6 |
| Stddev | 8.4 | 267. | 21.3 |
| %RSD | .09785 | .45837 | .24917 |

| | | | |
|----|--------|--------|--------|
| #1 | 8632.3 | 58434. | 8544.8 |
| #2 | 8643.7 | 58302. | 8584.9 |
| #3 | 8627.3 | 57921. | 8552.2 |

Sample Name: 460-111794-A-6-A Acquired: 4/12/2016 1:31:19 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.51 | .4165 | -.5023 | 24.75 | -.0728 | 19980. |
| Stddev | 2.66 | .9367 | .2271 | .15 | .1101 | 63. |
| %RSD | 10.04 | 224.9 | 45.22 | .6157 | 151.3 | .3147 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 25.10 | .3045 | -.4264 | 24.76 | .0099 | 19990. |
| #2 | 29.58 | -.4590 | -.3228 | 24.59 | -.1978 | 20040. |
| #3 | 24.84 | 1.404 | -.7577 | 24.90 | -.0304 | 19920. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1597 | -.0093 | -.1338 | 87.11 | 46.52 | 1334. |
| Stddev | .0610 | .1447 | .2919 | .53 | 5.33 | 28. |
| %RSD | 38.22 | 1548. | 218.2 | .6061 | 11.45 | 2.087 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|-------|
| #1 | .1854 | .0980 | -.3689 | 86.62 | 42.68 | 1302. |
| #2 | .0900 | .0478 | -.2254 | 87.03 | 44.27 | 1350. |
| #3 | .2036 | -.1739 | .1930 | 87.67 | 52.60 | 1351. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111794-A-6-A Acquired: 4/12/2016 1:31:19 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6998. | 2.134 | 48670. | 1.378 | -.2761 | .8057 |
| Stddev | 70. | .078 | 63. | .382 | 1.382 | 1.346 |
| %RSD | 1.003 | 3.659 | .1296 | 27.74 | 500.5 | 167.1 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 6917. | 2.067 | 48630. | 1.654 | 1.011 | -.6941 |
| #2 | 7044. | 2.220 | 48630. | 1.539 | -.1036 | 1.909 |
| #3 | 7033. | 2.114 | 48740. | .9418 | -1.736 | 1.203 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.158 | -2.756 | .1985 | 17.25 | 21.26 | -.1545 |
| Stddev | 2.112 | 2.244 | .1774 | .05 | .22 | .2085 |
| %RSD | 182.3 | 81.43 | 89.41 | .2791 | 1.050 | 135.0 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | -1.089 | -3.985 | .3509 | 17.29 | 21.45 | -.1409 |
| #2 | 1.463 | -.1657 | .2408 | 17.20 | 21.30 | -.3694 |
| #3 | 3.101 | -4.117 | .0037 | 17.26 | 21.01 | .0469 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111794-A-6-A Acquired: 4/12/2016 1:31:19 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1846 | 86.73 | .2170 | 2979. |
| Stddev | .2454 | .52 | .2207 | 24. |
| %RSD | 133.0 | .5966 | 101.7 | .8056 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .0586 | 86.17 | .1606 | 2953. |
| #2 | .4674 | 86.84 | .0300 | 2985. |
| #3 | .0277 | 87.19 | .4605 | 3000. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8720.2 | 59552. | 8781.1 |
| Stddev | 16.4 | 305. | 34.7 |
| %RSD | .18829 | .51297 | .39508 |

| | | | |
|----|--------|--------|--------|
| #1 | 8715.5 | 59389. | 8812.3 |
| #2 | 8706.6 | 59363. | 8743.7 |
| #3 | 8738.4 | 59905. | 8787.2 |

Sample Name: 460-111799-A-33-A Acquired: 4/12/2016 1:35:11 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.31 | -.3020 | -.4504 | 24.21 | -.0734 | 19830. |
| Stddev | 4.20 | .3603 | .2312 | .39 | .0186 | 113. |
| %RSD | 20.69 | 119.3 | 51.33 | 1.596 | 25.40 | .5694 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 21.31 | .1023 | -.7143 | 24.60 | -.0622 | 19840. |
| #2 | 23.93 | -.5893 | -.2831 | 23.83 | -.0630 | 19720. |
| #3 | 15.70 | -.4190 | -.3539 | 24.19 | -.0949 | 19940. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1664 | .0170 | -.2574 | 300.3 | 146.8 | 1332. |
| Stddev | .1090 | .2206 | .2111 | .5 | 6.6 | 24. |
| %RSD | 65.52 | 1295. | 82.00 | .1559 | 4.492 | 1.805 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|-------|
| #1 | .1900 | .0643 | -.4215 | 299.9 | 139.7 | 1325. |
| #2 | .2616 | -.2234 | -.0193 | 300.8 | 147.7 | 1313. |
| #3 | .0475 | .2102 | -.3315 | 300.2 | 152.8 | 1359. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111799-A-33-A Acquired: 4/12/2016 1:35:11 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7029. | 3.877 | 48730. | 5.942 | 28.40 | -1.984 |
| Stddev | 48. | .017 | 194. | .380 | 1.14 | .748 |
| %RSD | .6793 | .4405 | .3976 | 6.402 | 4.021 | 37.70 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|--------|
| #1 | 6981. | 3.883 | 48520. | 5.963 | 29.68 | -2.476 |
| #2 | 7031. | 3.858 | 48780. | 5.552 | 27.51 | -1.123 |
| #3 | 7076. | 3.891 | 48900. | 6.312 | 27.99 | -2.353 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .9507 | -.5644 | .2414 | 349.5 | 21.08 | -.2349 |
| Stddev | 3.652 | 1.530 | .1941 | .9 | .33 | .2669 |
| %RSD | 384.2 | 271.1 | 80.44 | .2707 | 1.545 | 113.6 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | .3264 | 1.138 | .2771 | 348.7 | 20.70 | -.3756 |
| #2 | 4.875 | -1.826 | .0318 | 349.3 | 21.31 | .0728 |
| #3 | -2.349 | -1.005 | .4152 | 350.5 | 21.21 | -.4021 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111799-A-33-A Acquired: 4/12/2016 1:35:11 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .7151 | 85.99 | .2679 | 2885. |
| Stddev | .4828 | 1.25 | .0743 | 46. |
| %RSD | 67.51 | 1.453 | 27.74 | 1.590 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 1.098 | 84.54 | .3432 | 2886. |
| #2 | .8746 | 86.67 | .2659 | 2838. |
| #3 | .1728 | 86.75 | .1947 | 2930. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8673.3 | 59163. | 8576.5 |
| Stddev | 29.3 | 444. | 96.1 |
| %RSD | .33725 | .75085 | 1.1210 |

| | | | |
|----|--------|--------|--------|
| #1 | 8658.4 | 59008. | 8683.3 |
| #2 | 8707.0 | 59664. | 8496.8 |
| #3 | 8654.5 | 58818. | 8549.4 |

Sample Name: 460-111889-A-1-A Acquired: 4/12/2016 1:39:01 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 45.71 | -1.895 | -.3374 | 55.84 | -.0161 | 34710. |
| Stddev | 11.80 | .934 | .8446 | .23 | .0909 | 190. |
| %RSD | 25.82 | 49.30 | 250.3 | .4125 | 564.1 | .5486 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 58.81 | -2.847 | .2066 | 56.02 | .0119 | 34920. |
| #2 | 42.39 | -.9795 | -1.310 | 55.92 | .0574 | 34640. |
| #3 | 35.92 | -1.859 | .0915 | 55.58 | -.1177 | 34560. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0603 | 1.046 | -.0546 | 98.23 | 109.5 | 10100. |
| Stddev | .0386 | .204 | .3030 | .42 | 8.0 | 7. |
| %RSD | 63.97 | 19.48 | 554.8 | .4310 | 7.338 | .0720 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|--------|
| #1 | .0661 | .8890 | -.1504 | 98.58 | 100.9 | 10100. |
| #2 | .0191 | 1.276 | -.2981 | 98.35 | 116.8 | 10100. |
| #3 | .0956 | .9729 | .2847 | 97.76 | 110.7 | 10110. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111889-A-1-A Acquired: 4/12/2016 1:39:01 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8455. | 10.43 | 43170. | 6.159 | 2.473 | -1.692 |
| Stddev | 85. | .19 | 290. | .362 | .543 | .103 |
| %RSD | 1.010 | 1.836 | .6704 | 5.881 | 21.96 | 6.088 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|--------|
| #1 | 8368. | 10.23 | 43410. | 6.524 | 1.870 | -1.645 |
| #2 | 8539. | 10.61 | 43260. | 6.155 | 2.625 | -1.810 |
| #3 | 8460. | 10.46 | 42850. | 5.799 | 2.923 | -1.620 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.005 | -3.484 | .1218 | 493.6 | 62.26 | -.4657 |
| Stddev | .137 | 1.979 | .2199 | .8 | .22 | .4151 |
| %RSD | 13.66 | 56.82 | 180.5 | .1613 | .3558 | 89.14 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|--------|
| #1 | .8923 | -5.749 | .3720 | 494.2 | 62.46 | -.8616 |
| #2 | .9649 | -2.087 | .0339 | 494.0 | 62.02 | -.5016 |
| #3 | 1.158 | -2.615 | -.0405 | 492.7 | 62.29 | -.0338 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111889-A-1-A Acquired: 4/12/2016 1:39:01 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.2115 | 371.9 | 21.22 | 2276. |
| Stddev | .6316 | 1.3 | 1.39 | 21. |
| %RSD | 298.6 | .3402 | 6.535 | .9439 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.8693 | 372.9 | 22.53 | 2251. |
| #2 | -.1555 | 372.3 | 19.77 | 2285. |
| #3 | .3902 | 370.5 | 21.38 | 2291. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8644.3 | 58923. | 8734.7 |
| Stddev | 6.8 | 369. | 132.3 |
| %RSD | .07809 | .62617 | 1.5150 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8638.8 | 58515. | 8617.5 |
| #2 | 8642.2 | 59022. | 8708.4 |
| #3 | 8651.8 | 59233. | 8878.2 |

Sample Name: 460-111891-A-1-A Acquired: 4/12/2016 1:42:52 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36.01 | -6273 | .0492 | 58.18 | -.1187 | 34080. |
| Stddev | 12.84 | 1.811 | .3131 | .10 | .0314 | 120. |
| %RSD | 35.65 | 288.7 | 637.1 | .1704 | 26.46 | .3532 |
| #1 | 50.54 | -2.586 | -.2794 | 58.21 | -.0931 | 33990. |
| #2 | 31.29 | -.2818 | .0826 | 58.27 | -.1093 | 34030. |
| #3 | 26.21 | .9861 | .3442 | 58.07 | -.1537 | 34220. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0118 | .7055 | -.0783 | 86.31 | 100.4 | 9735. |
| Stddev | .0833 | .1648 | .5666 | .54 | 4.4 | 103. |
| %RSD | 702.9 | 23.36 | 724.0 | .6204 | 4.416 | 1.054 |
| #1 | .0698 | .6324 | -.3034 | 86.38 | 99.64 | 9632. |
| #2 | -.0967 | .8942 | .5663 | 85.75 | 105.1 | 9737. |
| #3 | -.0087 | .5898 | -.4978 | 86.81 | 96.32 | 9837. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111891-A-1-A Acquired: 4/12/2016 1:42:52 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8194. | 9.498 | 39200. | 5.350 | 1.651 | -.7074 |
| Stddev | 62. | .149 | 141. | .556 | .674 | .3853 |
| %RSD | .7623 | 1.568 | .3601 | 10.40 | 40.81 | 54.47 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|--------|
| #1 | 8127. | 9.378 | 39150. | 4.788 | .9301 | -.7426 |
| #2 | 8206. | 9.452 | 39090. | 5.363 | 1.757 | -1.074 |
| #3 | 8250. | 9.665 | 39360. | 5.900 | 2.265 | -.3057 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1946 | -3.188 | .1328 | 317.8 | 63.31 | -.2545 |
| Stddev | .2381 | 1.708 | .3679 | 1.3 | .36 | .0348 |
| %RSD | 122.4 | 53.56 | 277.0 | .3984 | .5666 | 13.66 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | -.4457 | -1.231 | -.2846 | 316.7 | 63.71 | -.2148 |
| #2 | -.1660 | -4.372 | .4100 | 317.5 | 63.18 | -.2799 |
| #3 | .0280 | -3.962 | .2730 | 319.1 | 63.03 | -.2687 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111891-A-1-A Acquired: 4/12/2016 1:42:52 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.2876 | 406.7 | 22.28 | 2340. |
| Stddev | .7598 | .6 | 1.11 | 35. |
| %RSD | 264.2 | .1427 | 4.987 | 1.496 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .5550 | 407.2 | 22.43 | 2302. |
| #2 | -.4971 | 406.0 | 23.30 | 2371. |
| #3 | -.9206 | 406.8 | 21.09 | 2346. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8673.5 | 59555. | 8790.8 |
| Stddev | 31.2 | 206. | 136.7 |
| %RSD | .35926 | .34513 | 1.5545 |

| | | | |
|----|--------|--------|--------|
| #1 | 8693.6 | 59698. | 8880.2 |
| #2 | 8689.2 | 59648. | 8858.7 |
| #3 | 8637.6 | 59320. | 8633.5 |

Sample Name: 460-111907-A-1-A Acquired: 4/12/2016 1:46:41 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 713.9 | .2880 | -.8865 | 13.49 | -.0120 | 7774. |
| Stddev | 6.0 | 1.035 | .4468 | .13 | .0853 | 7. |
| %RSD | .8341 | 359.3 | 50.40 | .9676 | 710.2 | .0948 |
| #1 | 719.6 | .0968 | -.4367 | 13.43 | .0849 | 7779. |
| #2 | 707.8 | 1.405 | -.8926 | 13.64 | -.0756 | 7766. |
| #3 | 714.3 | -.6378 | -1.330 | 13.40 | -.0454 | 7778. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.304 | 1.522 | .0356 | 5.183 | 123.1 | 2289. |
| Stddev | .090 | .102 | .4712 | .291 | 5.2 | 15. |
| %RSD | 3.897 | 6.668 | 1326. | 5.620 | 4.228 | .6616 |
| #1 | 2.372 | 1.638 | .1702 | 5.041 | 120.1 | 2273. |
| #2 | 2.339 | 1.449 | -.4884 | 5.518 | 120.1 | 2291. |
| #3 | 2.202 | 1.479 | .4248 | 4.991 | 129.1 | 2303. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111907-A-1-A Acquired: 4/12/2016 1:46:41 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3435. | 37.24 | 9118. | 1.978 | -.0504 | -.9574 |
| Stddev | 20. | .34 | 17. | .050 | 1.195 | .8002 |
| %RSD | .5846 | .9119 | .1854 | 2.514 | 2373. | 83.58 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 3411. | 36.86 | 9100. | 1.955 | -.1816 | -1.690 |
| #2 | 3446. | 37.38 | 9133. | 2.035 | 1.205 | -.1034 |
| #3 | 3447. | 37.49 | 9123. | 1.944 | -1.174 | -1.079 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0586 | -4.938 | .3145 | 12.60 | 17.44 | -.6110 |
| Stddev | 2.947 | 1.611 | .3202 | .10 | .11 | .1030 |
| %RSD | 5026. | 32.62 | 101.8 | .8061 | .6486 | 16.86 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | 3.264 | -3.152 | .3459 | 12.58 | 17.53 | -.5460 |
| #2 | -1.083 | -5.382 | .6180 | 12.50 | 17.31 | -.7297 |
| #3 | -2.356 | -6.280 | -.0202 | 12.70 | 17.46 | -.5572 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111907-A-1-A Acquired: 4/12/2016 1:46:41 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0926 | 18.48 | 2.153 | 1250. |
| Stddev | .2744 | .15 | .433 | 17. |
| %RSD | 296.5 | .7959 | 20.13 | 1.366 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .2104 | 18.39 | 1.699 | 1241. |
| #2 | -.2211 | 18.65 | 2.562 | 1238. |
| #3 | .2884 | 18.41 | 2.199 | 1269. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8848.7 | 60175. | 8823.4 |
| Stddev | 16.2 | 43. | 108.5 |
| %RSD | .18307 | .07124 | 1.2299 |

| | | | |
|----|--------|--------|--------|
| #1 | 8865.3 | 60133. | 8880.1 |
| #2 | 8847.6 | 60173. | 8698.3 |
| #3 | 8833.0 | 60218. | 8891.8 |

Sample Name: 460-111907-A-2-A Acquired: 4/12/2016 1:50:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.002 | -.9202 | -.7709 | -.0515 | -.1095 | -28.99 |
| Stddev | 6.052 | 1.164 | .3429 | .1143 | .0985 | 1.39 |
| %RSD | 86.42 | 126.5 | 44.48 | 222.1 | 89.99 | 4.798 |
| #1 | 7.248 | .3378 | -1.089 | -.0543 | -.0894 | -27.38 |
| #2 | .8316 | -1.960 | -.4076 | -.1644 | -.2165 | -29.80 |
| #3 | 12.93 | -1.139 | -.8161 | .0642 | -.0226 | -29.78 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0613 | -.1345 | -.2923 | .9590 | 6.491 | 22.31 |
| Stddev | .0719 | .1352 | .1297 | .4316 | 5.266 | 9.32 |
| %RSD | 117.2 | 100.5 | 44.38 | 45.01 | 81.14 | 41.79 |
| #1 | -.1421 | -.0252 | -.4401 | .5019 | 5.701 | 20.99 |
| #2 | -.0374 | -.2857 | -.1977 | 1.015 | 12.11 | 13.72 |
| #3 | -.0045 | -.0927 | -.2390 | 1.360 | 1.664 | 32.22 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111907-A-2-A Acquired: 4/12/2016 1:50:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.719 | .0849 | 72.96 | -.0305 | -.6715 | -.9164 |
| Stddev | 2.630 | .0470 | 9.07 | .5499 | .5859 | 1.114 |
| %RSD | 96.75 | 55.30 | 12.43 | 1805. | 87.25 | 121.5 |
| #1 | 3.315 | .0353 | 80.00 | .5661 | -.2264 | .3571 |
| #2 | -.1585 | .1288 | 76.17 | -.5170 | -.4528 | -1.398 |
| #3 | 5.000 | .0907 | 62.72 | -.1405 | -1.335 | -1.708 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.164 | -1.876 | -.0288 | .7596 | 9.599 | -.7818 |
| Stddev | .666 | 1.643 | .3839 | .0561 | .124 | .1153 |
| %RSD | 57.25 | 87.58 | 1331. | 7.380 | 1.287 | 14.74 |
| #1 | .4058 | -2.143 | .3982 | .7471 | 9.643 | -.7503 |
| #2 | 1.657 | -3.369 | -.1391 | .7109 | 9.694 | -.6855 |
| #3 | 1.430 | -.1157 | -.3456 | .8209 | 9.459 | -.9095 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111907-A-2-A Acquired: 4/12/2016 1:50:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0819 | .1670 | -.9127 | 60.92 |
| Stddev | .4488 | .0485 | .0940 | 9.18 |
| %RSD | 547.7 | 29.04 | 10.30 | 15.07 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | .3743 | .1154 | -1.017 | 65.84 |
| #2 | -.5229 | .1738 | -.8876 | 66.59 |
| #3 | -.0972 | .2117 | -.8338 | 50.33 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8730.4 | 59637. | 8651.5 |
| Stddev | 19.9 | 288. | 116.3 |
| %RSD | .22831 | .48304 | 1.3448 |

| | | | |
|----|--------|--------|--------|
| #1 | 8749.2 | 59959. | 8744.0 |
| #2 | 8732.4 | 59402. | 8689.7 |
| #3 | 8709.5 | 59551. | 8520.9 |

Sample Name: 460-110136-G-9-A Acquired: 4/12/2016 1:54:28 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 250.3 | -7156 | -1856 | 170.7 | 4149 | 16810. |
| Stddev | 5.1 | .8099 | .1570 | .3 | .0632 | 86. |
| %RSD | 2.056 | 113.2 | 84.60 | .1622 | 15.25 | .5091 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|--------|
| #1 | 255.6 | -.3457 | -.1412 | 170.6 | .3586 | 16850. |
| #2 | 250.0 | -1.644 | -.0555 | 171.0 | .4833 | 16880. |
| #3 | 245.3 | -.1567 | -.3600 | 170.4 | .4026 | 16720. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4378 | 2675 | 1.615 | 2.548 | 141.2 | 2349. |
| Stddev | .0821 | .0653 | .308 | .507 | 9.1 | 15. |
| %RSD | 18.75 | 24.40 | 19.07 | 19.89 | 6.479 | .6318 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .3914 | .2310 | 1.718 | 2.054 | 140.8 | 2345. |
| #2 | .3894 | .2286 | 1.269 | 3.067 | 150.5 | 2366. |
| #3 | .5326 | .3428 | 1.859 | 2.524 | 132.3 | 2337. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110136-G-9-A Acquired: 4/12/2016 1:54:28 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4989. | 162.3 | 42410. | 4.167 | -.1750 | -.2927 |
| Stddev | 43. | 1.3 | 71. | .259 | .4931 | 1.608 |
| %RSD | .8583 | .8165 | .1669 | 6.213 | 281.8 | 549.6 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 4943. | 160.7 | 42490. | 3.989 | .0644 | -.3743 |
| #2 | 5028. | 163.1 | 42370. | 4.047 | -.7420 | 1.355 |
| #3 | 4996. | 163.0 | 42370. | 4.464 | .1527 | -1.859 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.327 | -3.880 | .2050 | 11.93 | 56.96 | -.6369 |
| Stddev | .786 | 3.222 | .1762 | .08 | .11 | .1157 |
| %RSD | 23.64 | 83.03 | 85.95 | .6484 | .2010 | 18.16 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | 3.528 | -4.819 | .3885 | 11.93 | 57.01 | -.6609 |
| #2 | 3.993 | -.2937 | .0372 | 12.01 | 56.83 | -.5112 |
| #3 | 2.460 | -6.529 | .1893 | 11.85 | 57.05 | -.7388 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110136-G-9-A Acquired: 4/12/2016 1:54:28 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1789 | 97.97 | 3.947 | 4720. |
| Stddev | .5806 | .67 | .183 | 48. |
| %RSD | 324.6 | .6827 | 4.628 | 1.010 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .1704 | 97.47 | 3.932 | 4673. |
| #2 | .7636 | 97.70 | 4.136 | 4718. |
| #3 | -.3974 | 98.73 | 3.772 | 4769. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8711.1 | 59056. | 8752.8 |
| Stddev | 37.4 | 354. | 49.3 |
| %RSD | .42879 | .59984 | .56378 |

| | | | |
|----|--------|--------|--------|
| #1 | 8687.6 | 58907. | 8711.5 |
| #2 | 8691.5 | 58801. | 8739.5 |
| #3 | 8754.1 | 59460. | 8807.5 |

Sample Name: CCV Acquired: 4/12/2016 1:58:19 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 123700. | 2444. | 1205. | 9838. | 1017. | 121900. |
| Stddev | 486. | 3. | 2. | 6. | 6. | 57. |
| %RSD | .3932 | .1224 | .2029 | .0594 | .5456 | .0465 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 123200. | 2442. | 1207. | 9836. | 1013. | 121900. |
| #2 | 123600. | 2444. | 1203. | 9845. | 1015. | 121800. |
| #3 | 124200. | 2448. | 1206. | 9834. | 1024. | 121900. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1213. | 2426. | 4980. | 12220. | 98540. | 49650. |
| Stddev | 3. | 3. | 3. | 21. | 101. | 219. |
| %RSD | .2150 | .1194 | .0627 | .1696 | .1027 | .4406 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1213. | 2424. | 4980. | 12240. | 98650. | 49440. |
| #2 | 1216. | 2429. | 4977. | 12200. | 98490. | 49640. |
| #3 | 1211. | 2425. | 4984. | 12220. | 98470. | 49880. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/12/2016 1:58:19 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 124200. | 5092. | 127200. | 2458. | 7334. | 971.7 |
| Stddev | 137. | 3. | 280. | 1. | 15. | 2.5 |
| %RSD | .1100 | .0672 | .2202 | .0381 | .1986 | .2622 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 124200. | 5096. | 127200. | 2459. | 7323. | 974.7 |
| #2 | 124200. | 5089. | 126900. | 2457. | 7351. | 970.5 |
| #3 | 124400. | 5092. | 127500. | 2457. | 7329. | 970.0 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2360. | 2409. | 2441. | 2441. | 967.6 | 2346. |
| Stddev | 10. | 2. | 2. | 14. | 3.6 | 5. |
| %RSD | .4245 | .0740 | .0716 | .5803 | .3684 | .2136 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2371. | 2407. | 2441. | 2436. | 965.7 | 2352. |
| #2 | 2356. | 2408. | 2439. | 2457. | 965.4 | 2345. |
| #3 | 2353. | 2411. | 2442. | 2430. | 971.7 | 2342. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/12/2016 1:58:19 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 963.4 | 4996. | 10070. | 9398. |
| Stddev | 3.5 | 2. | 9. | 94. |
| %RSD | .3648 | .0339 | .0849 | .9996 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 963.8 | 4997. | 10070. | 9439. |
| #2 | 966.8 | 4994. | 10060. | 9464. |
| #3 | 959.8 | 4997. | 10080. | 9290. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8224.5 | 56286. | 8466.0 |
| Stddev | 36.0 | 28. | 113.3 |
| %RSD | .43739 | .05011 | 1.3387 |

| | | | |
|----|--------|--------|--------|
| #1 | 8236.3 | 56292. | 8557.7 |
| #2 | 8184.1 | 56310. | 8500.9 |
| #3 | 8253.2 | 56255. | 8339.3 |

Sample Name: CCB Acquired: 4/12/2016 2:01:47 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.830 | -1.501 | -.1067 | .4399 | -.0739 | -39.97 |
| Stddev | 5.344 | .279 | .5240 | .1977 | .1084 | 3.13 |
| %RSD | 110.6 | 18.57 | 491.2 | 44.94 | 146.7 | 7.835 |
| #1 | 3.683 | -1.584 | -.0664 | .6121 | -.0184 | -37.21 |
| #2 | .1526 | -1.190 | .3960 | .4836 | -.1989 | -39.32 |
| #3 | 10.65 | -1.728 | -.6496 | .2241 | -.0045 | -43.37 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0979 | .0532 | -.1554 | 1.875 | 10.82 | 36.61 |
| Stddev | .0172 | .1497 | .1445 | .454 | 1.29 | 19.90 |
| %RSD | 17.51 | 281.1 | 92.96 | 24.21 | 11.90 | 54.36 |
| #1 | .0901 | .2132 | -.2381 | 2.359 | 11.85 | 47.18 |
| #2 | .0861 | .0300 | .0114 | 1.808 | 11.23 | 13.65 |
| #3 | .1176 | -.0834 | -.2396 | 1.458 | 9.377 | 48.99 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/12/2016 2:01:47 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.444 | .2519 | 75.81 | .0423 | -.0668 | -.9389 |
| Stddev | 5.886 | .1668 | 11.84 | .1976 | .7201 | 2.397 |
| %RSD | 170.9 | 66.23 | 15.61 | 467.2 | 1078. | 255.3 |
| #1 | 7.806 | .4318 | 88.73 | .2602 | -.2972 | .5512 |
| #2 | 5.776 | .2218 | 73.22 | -.1252 | .7403 | -3.703 |
| #3 | -3.251 | .1022 | 65.49 | -.0082 | -.6435 | .3356 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.197 | -3.312 | -.0734 | .0054 | 2.302 | 1.135 |
| Stddev | 1.651 | 2.416 | .0659 | .0634 | .282 | .163 |
| %RSD | 138.0 | 72.95 | 89.72 | 1165. | 12.26 | 14.38 |
| #1 | .3930 | -1.779 | -.0678 | .0780 | 2.610 | 1.102 |
| #2 | .1008 | -2.061 | -.0105 | -.0390 | 2.055 | 1.312 |
| #3 | 3.096 | -6.098 | -.1419 | -.0227 | 2.242 | .9900 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/12/2016 2:01:47 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2391 | .4266 | 1.154 | -17.98 |
| Stddev | .3498 | .1943 | .130 | 8.39 |
| %RSD | 146.3 | 45.54 | 11.30 | 46.67 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .1296 | .6507 | 1.302 | -8.767 |
| #2 | -.0428 | .3048 | 1.102 | -25.18 |
| #3 | .6306 | .3244 | 1.057 | -19.98 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8720.9 | 59271. | 8581.2 |
| Stddev | 18.3 | 92. | 40.0 |
| %RSD | .20958 | .15572 | .46566 |

| | | | |
|----|--------|--------|--------|
| #1 | 8714.8 | 59299. | 8626.9 |
| #2 | 8706.5 | 59167. | 8564.0 |
| #3 | 8741.5 | 59345. | 8552.8 |

Sample Name: CCVL Acquired: 4/12/2016 2:05:42 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 213.3 | 12.56 | 8.815 | 202.4 | 1.924 | 4956. |
| Stddev | 6.6 | .73 | .417 | .5 | .104 | 28. |
| %RSD | 3.106 | 5.796 | 4.736 | .2388 | 5.381 | .5749 |
| #1 | 208.7 | 12.89 | 8.363 | 201.8 | 1.918 | 4930. |
| #2 | 220.9 | 13.08 | 9.186 | 202.6 | 1.824 | 4951. |
| #3 | 210.3 | 11.73 | 8.896 | 202.7 | 2.031 | 4987. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.072 | 51.04 | 10.30 | 25.79 | 161.5 | 5004. |
| Stddev | .141 | .33 | .26 | .83 | 4.1 | 32. |
| %RSD | 3.451 | .6381 | 2.567 | 3.221 | 2.525 | .6318 |
| #1 | 3.934 | 51.24 | 10.23 | 25.11 | 156.9 | 4972. |
| #2 | 4.215 | 51.22 | 10.59 | 26.72 | 162.9 | 5005. |
| #3 | 4.068 | 50.66 | 10.07 | 25.56 | 164.6 | 5036. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/12/2016 2:05:42 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4982. | 16.38 | 5150. | 41.55 | 10.90 | 18.27 |
| Stddev | 68. | .21 | 9. | .53 | 1.04 | 1.59 |
| %RSD | 1.369 | 1.273 | .1820 | 1.274 | 9.529 | 8.701 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4905. | 16.15 | 5161. | 41.64 | 12.00 | 16.54 |
| #2 | 5005. | 16.47 | 5148. | 42.03 | 10.75 | 19.67 |
| #3 | 5036. | 16.54 | 5143. | 40.98 | 9.940 | 18.59 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.38 | 18.34 | 50.43 | 30.47 | 49.41 | 19.10 |
| Stddev | 2.01 | 1.12 | .47 | .13 | .22 | .15 |
| %RSD | 9.872 | 6.076 | .9304 | .4162 | .4550 | .7768 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 18.73 | 18.94 | 49.88 | 30.47 | 49.32 | 19.10 |
| #2 | 19.79 | 19.03 | 50.73 | 30.59 | 49.67 | 18.95 |
| #3 | 22.62 | 17.06 | 50.66 | 30.34 | 49.25 | 19.24 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/12/2016 2:05:42 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.27 | 21.32 | 20.85 | F -8.180 |
| Stddev | .49 | .08 | .35 | 2.705 |
| %RSD | 1.025 | .3556 | 1.681 | 33.07 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 48.54 | 21.39 | 20.45 | -9.809 |
| #2 | 48.57 | 21.24 | 21.11 | -9.675 |
| #3 | 47.70 | 21.32 | 21.00 | -5.057 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8751.1 | 59626. | 8658.4 |
| Stddev | 25.3 | 145. | 23.8 |
| %RSD | .28865 | .24371 | .27521 |

| | | | |
|----|--------|--------|--------|
| #1 | 8721.9 | 59694. | 8678.3 |
| #2 | 8766.7 | 59725. | 8665.0 |
| #3 | 8764.5 | 59459. | 8632.0 |

Sample Name: 460-111851-D-1-A Acquired: 4/12/2016 2:09:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|----------------|---------------|---------------|----------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 90.07 | -1.1571 | -4.006 | 87.11 | -1.1408 | 26020. |
| Stddev | 15.14 | 1.124 | .1862 | .43 | .0926 | 96. |
| %RSD | 16.81 | 715.9 | 46.48 | .4913 | 65.78 | .3707 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 103.3 | -1.111 | -4.082 | 87.30 | -.2425 | 26130. |
| #2 | 73.55 | -.4427 | -.5828 | 87.40 | -.1187 | 25940. |
| #3 | 93.37 | 1.083 | -.2107 | 86.62 | -.0613 | 25980. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.079 | 11.26 | .2532 | 295.5 | 11480. | 10360. |
| Stddev | .033 | .28 | .2240 | .9 | 36. | 68. |
| %RSD | 3.072 | 2.502 | 88.44 | .3008 | .3146 | .6604 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 1.050 | 11.13 | .0012 | 294.5 | 11520. | 10290. |
| #2 | 1.072 | 11.07 | .3291 | 295.8 | 11440. | 10370. |
| #3 | 1.115 | 11.58 | .4294 | 296.1 | 11480. | 10420. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111851-D-1-A Acquired: 4/12/2016 2:09:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12690. | 952.9 | 47180. | 111.3 | 42.45 | -.8283 |
| Stddev | 15. | 2.7 | 73. | .6 | .88 | 2.039 |
| %RSD | .1170 | .2793 | .1554 | .5086 | 2.085 | 246.1 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|--------------|---------------|
| #1 | 12700. | 955.3 | 47140. | 111.2 | 41.44 | -1.422 |
| #2 | 12670. | 950.0 | 47130. | 110.8 | 42.78 | 1.442 |
| #3 | 12680. | 953.4 | 47260. | 111.9 | 43.11 | -2.504 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.963 | -1.295 | 2.471 | 215.6 | 29.04 | -.1104 |
| Stddev | 1.399 | 1.170 | .305 | .3 | .55 | .4503 |
| %RSD | 71.28 | 90.36 | 12.33 | .1486 | 1.890 | 408.1 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|--------------|---------------|
| #1 | 3.419 | -1.117 | 2.151 | 216.0 | 28.54 | -.4441 |
| #2 | .6281 | -.2243 | 2.757 | 215.4 | 29.63 | -.2888 |
| #3 | 1.843 | -2.545 | 2.505 | 215.5 | 28.96 | .4019 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111851-D-1-A Acquired: 4/12/2016 2:09:33 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1183 | 105.1 | 2.983 | 5013. |
| Stddev | .8430 | .8 | .031 | 79. |
| %RSD | 712.5 | .7898 | 1.041 | 1.583 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .3946 | 104.2 | 3.019 | 4942. |
| #2 | -1.091 | 105.3 | 2.967 | 4998. |
| #3 | .3417 | 105.8 | 2.963 | 5099. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8632.1 | 59636. | 8879.2 |
| Stddev | 26.8 | 300. | 48.8 |
| %RSD | .31030 | .50245 | .54994 |

| | | | |
|----|--------|--------|--------|
| #1 | 8616.3 | 59310. | 8824.5 |
| #2 | 8663.1 | 59899. | 8918.3 |
| #3 | 8617.0 | 59700. | 8894.7 |

Sample Name: CCV Acquired: 4/12/2016 2:13:22 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 124600. | 2450. | 1211. | 9838. | 1029. | 122500. |
| Stddev | 258. | 6. | 2. | 7. | 3. | 661. |
| %RSD | .2074 | .2522 | .1863 | .0742 | .3228 | .5396 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 124500. | 2455. | 1212. | 9837. | 1030. | 123000. |
| #2 | 124400. | 2443. | 1213. | 9846. | 1025. | 122700. |
| #3 | 124900. | 2452. | 1209. | 9832. | 1031. | 121800. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1213. | 2426. | 5019. | 12260. | 98980. | 49910. |
| Stddev | 3. | 3. | 18. | 9. | 425. | 105. |
| %RSD | .2215 | .1245 | .3666 | .0726 | .4297 | .2104 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1215. | 2429. | 5035. | 12260. | 99350. | 49880. |
| #2 | 1213. | 2428. | 5024. | 12250. | 99070. | 49810. |
| #3 | 1210. | 2423. | 4999. | 12270. | 98510. | 50020. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/12/2016 2:13:22 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 125000. | 5111. | 128400. | 2455. | 7345. | 974.5 |
| Stddev | 462. | 17. | 243. | 7. | 14. | 2.2 |
| %RSD | .3699 | .3349 | .1892 | .3049 | .1927 | .2277 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 125300. | 5125. | 128500. | 2463. | 7360. | 974.7 |
| #2 | 125200. | 5116. | 128100. | 2453. | 7342. | 972.2 |
| #3 | 124500. | 5092. | 128500. | 2448. | 7332. | 976.6 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2357. | 2402. | 2454. | 2440. | 969.5 | 2344. |
| Stddev | 8. | 5. | 8. | 15. | 4.9 | 2. |
| %RSD | .3188 | .2195 | .3106 | .6069 | .5068 | .1006 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2358. | 2396. | 2461. | 2454. | 964.6 | 2345. |
| #2 | 2349. | 2406. | 2454. | 2440. | 969.5 | 2345. |
| #3 | 2364. | 2404. | 2446. | 2425. | 974.5 | 2341. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/12/2016 2:13:22 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 964.4 | 5005. | 10120. | 9281. |
| Stddev | 2.1 | 9. | 18. | 50. |
| %RSD | .2173 | .1737 | .1773 | .5416 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 965.9 | 5004. | 10130. | 9233. |
| #2 | 965.3 | 4996. | 10120. | 9276. |
| #3 | 962.0 | 5014. | 10100. | 9333. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8183.4 | 55776. | 8266.8 |
| Stddev | 50.2 | 570. | 59.6 |
| %RSD | .61312 | 1.0228 | .72054 |

| | | | |
|----|--------|--------|--------|
| #1 | 8131.7 | 55221. | 8213.4 |
| #2 | 8186.7 | 55746. | 8256.0 |
| #3 | 8231.9 | 56360. | 8331.1 |

Sample Name: CCB Acquired: 4/12/2016 2:16:50 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.654 | -.2412 | -.2891 | .3785 | -.0627 | -39.92 |
| Stddev | 4.963 | .6629 | .4922 | .3292 | .1029 | 8.56 |
| %RSD | 64.84 | 274.9 | 170.2 | 86.98 | 164.1 | 21.45 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 13.39 | -.9587 | -.5518 | .6969 | .0561 | -38.68 |
| #2 | 4.767 | -.1130 | .2787 | .3991 | -.1232 | -32.04 |
| #3 | 4.811 | .3483 | -.5942 | .0395 | -.1209 | -49.04 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0916 | .0955 | .2140 | 2.041 | 9.325 | 55.20 |
| Stddev | .0671 | .0304 | .4417 | .175 | 6.139 | 26.51 |
| %RSD | 73.26 | 31.81 | 206.4 | 8.559 | 65.83 | 48.02 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|-------|
| #1 | .1624 | .0856 | .7227 | 2.202 | 16.25 | 85.76 |
| #2 | .0290 | .1296 | -.0723 | 2.064 | 7.153 | 41.36 |
| #3 | .0833 | .0713 | -.0084 | 1.855 | 4.567 | 38.47 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/12/2016 2:16:50 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.528 | .2245 | 74.01 | -.2339 | -.1575 | -.2016 |
| Stddev | 4.039 | .1381 | 19.40 | .5006 | .8013 | 1.364 |
| %RSD | 114.5 | 61.51 | 26.22 | 214.1 | 508.7 | 676.6 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 2.035 | .3772 | 96.27 | .3404 | -.1498 | 1.279 |
| #2 | .4473 | .1879 | 65.10 | -.4636 | -.9627 | -1.406 |
| #3 | 8.101 | .1084 | 60.67 | -.5784 | .6399 | -.4786 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.308 | -.5922 | -.0207 | .0223 | 2.700 | .9803 |
| Stddev | 1.864 | 2.208 | .1492 | .0342 | .844 | .1258 |
| %RSD | 80.76 | 372.8 | 721.2 | 153.3 | 31.28 | 12.84 |

| | | | | | | |
|----|-------|--------|--------|--------|-------|-------|
| #1 | 3.892 | -2.590 | -.1742 | .0609 | 3.624 | 1.021 |
| #2 | .2540 | -.9651 | -.0116 | -.0045 | 2.506 | 1.081 |
| #3 | 2.778 | 1.778 | .1238 | .0106 | 1.969 | .8391 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/12/2016 2:16:50 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1536 | .3835 | 1.076 | 2.055 |
| Stddev | .2071 | .2320 | .206 | 23.59 |
| %RSD | 134.8 | 60.50 | 19.15 | 1148. |

| | | | | |
|----|---------------|--------------|--------------|---------------|
| #1 | -.2601 | .6493 | 1.255 | 28.99 |
| #2 | .0851 | .2798 | 1.120 | -14.98 |
| #3 | -.2858 | .2215 | .8509 | -7.843 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8721.5 | 59284. | 8532.3 |
| Stddev | 41.2 | 3. | 43.3 |
| %RSD | .47259 | .00492 | .50788 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8675.1 | 59283. | 8483.8 |
| #2 | 8753.8 | 59288. | 8567.2 |
| #3 | 8735.6 | 59282. | 8545.8 |

Sample Name: CCVL Acquired: 4/12/2016 2:20:44 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 210.3 | 12.39 | 9.253 | 202.4 | 2.078 | 4965. |
| Stddev | 11.8 | 2.91 | .306 | .5 | .064 | 16. |
| %RSD | 5.621 | 23.51 | 3.303 | .2316 | 3.060 | .3229 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 213.3 | 14.15 | 9.466 | 202.6 | 2.082 | 4947. |
| #2 | 197.3 | 9.029 | 8.903 | 202.7 | 2.013 | 4977. |
| #3 | 220.3 | 14.00 | 9.391 | 201.9 | 2.140 | 4971. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.950 | 51.22 | 10.07 | 25.86 | 166.9 | 5009. |
| Stddev | .095 | .13 | .21 | .30 | 5.1 | 85. |
| %RSD | 2.407 | .2449 | 2.105 | 1.173 | 3.068 | 1.689 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.954 | 51.21 | 10.03 | 25.60 | 161.0 | 4931. |
| #2 | 4.042 | 51.34 | 10.29 | 26.20 | 169.9 | 4996. |
| #3 | 3.852 | 51.09 | 9.876 | 25.79 | 169.9 | 5099. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/12/2016 2:20:44 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5045. | 16.49 | 5158. | 41.11 | 10.48 | 19.02 |
| Stddev | 10. | .15 | 11. | .75 | 1.23 | .86 |
| %RSD | .2047 | .8846 | .2088 | 1.825 | 11.74 | 4.528 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5036. | 16.51 | 5150. | 40.30 | 9.128 | 18.34 |
| #2 | 5043. | 16.62 | 5153. | 41.79 | 10.77 | 18.74 |
| #3 | 5056. | 16.33 | 5170. | 41.23 | 11.53 | 19.99 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.96 | 17.89 | 50.92 | 30.68 | 49.81 | 18.83 |
| Stddev | 1.48 | 3.39 | .18 | .28 | .52 | .47 |
| %RSD | 7.824 | 18.95 | .3533 | .9035 | 1.037 | 2.473 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 18.48 | 18.55 | 51.11 | 30.47 | 50.29 | 18.30 |
| #2 | 20.63 | 20.90 | 50.90 | 30.56 | 49.88 | 18.99 |
| #3 | 17.78 | 14.22 | 50.75 | 30.99 | 49.27 | 19.19 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/12/2016 2:20:44 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

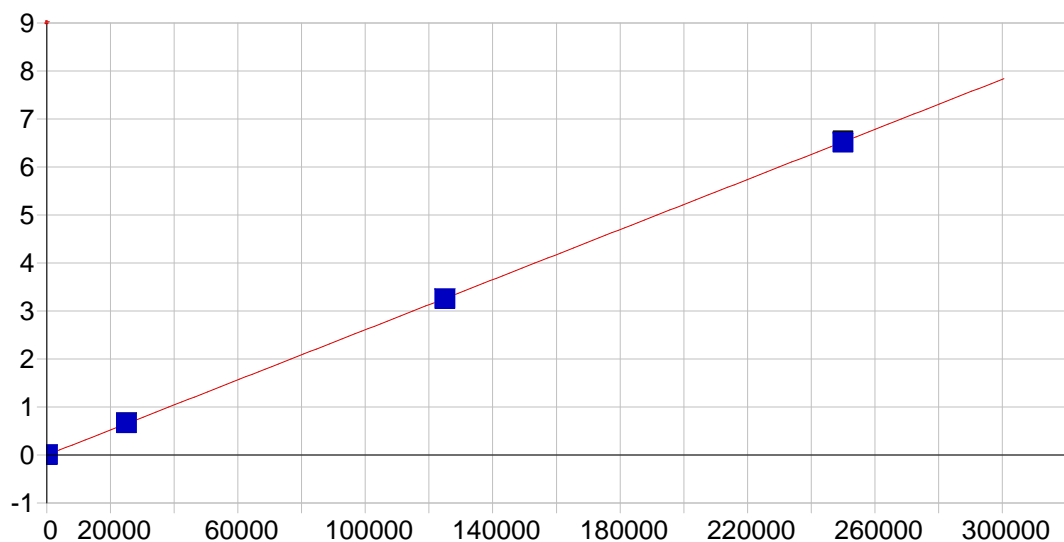
| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.55 | 21.28 | 21.12 | F .3134 |
| Stddev | .30 | .23 | .10 | 9.828 |
| %RSD | .6260 | 1.101 | .4695 | 3136. |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 48.30 | 21.14 | 21.01 | .3106 |
| #2 | 48.45 | 21.15 | 21.15 | -9.513 |
| #3 | 48.88 | 21.55 | 21.20 | 10.14 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8736.4 | 59410. | 8679.6 |
| Stddev | 61.0 | 108. | 62.7 |
| %RSD | .69788 | .18115 | .72225 |

| | | | |
|----|--------|--------|--------|
| #1 | 8741.0 | 59523. | 8730.4 |
| #2 | 8794.9 | 59309. | 8698.9 |
| #3 | 8673.2 | 59398. | 8609.5 |

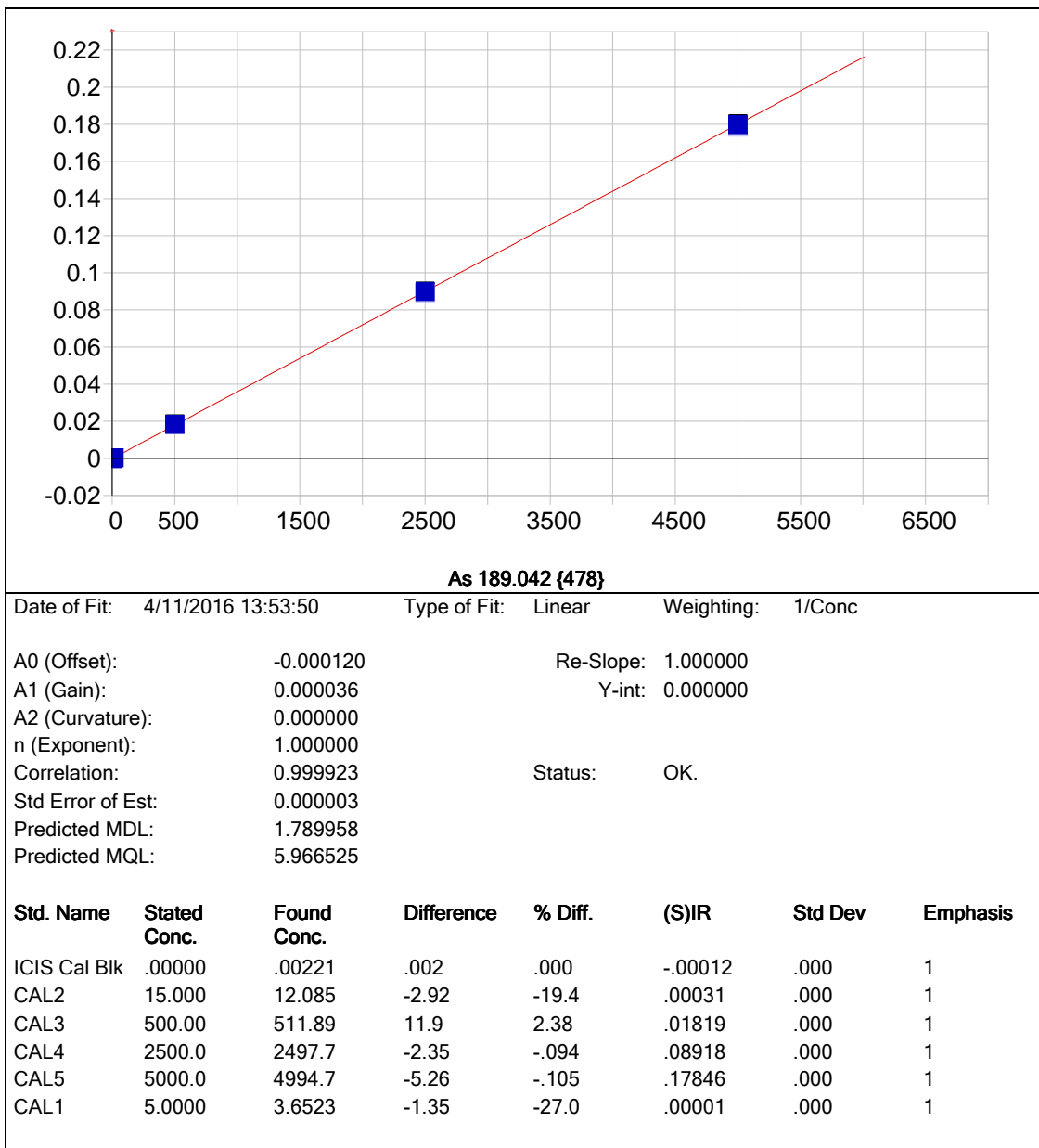


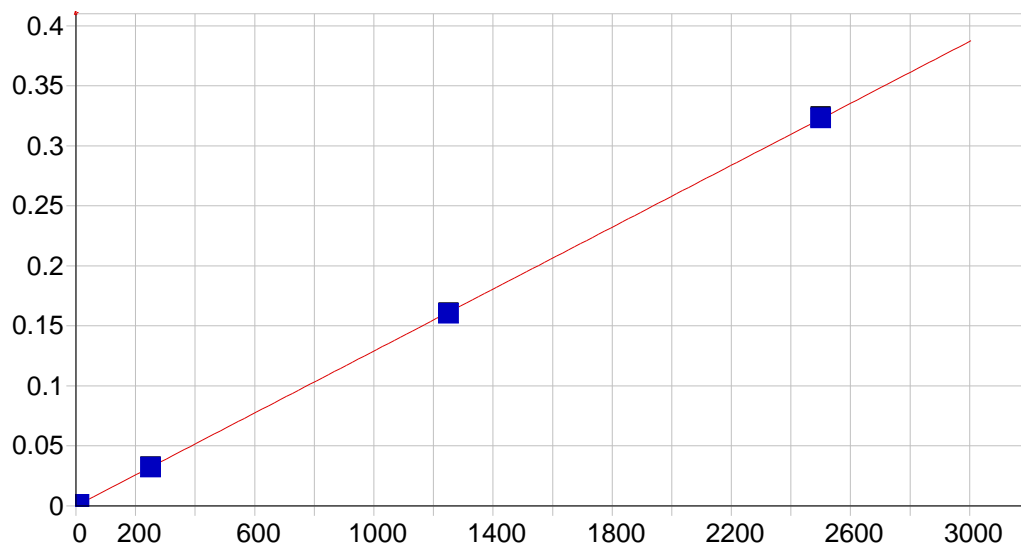
AI 396.152 { 85}

Date of Fit: 4/11/2016 13:53:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000914 Re-Slope: 1.000000
 A1 (Gain): 0.000026 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999980 Status: OK.
 Std Error of Est: 0.000061
 Predicted MDL: 13.036363
 Predicted MQL: 43.454543

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | -.01126 | -.011 | .000 | -.00091 | .000 | 1 |
| CAL2 | 200.00 | 206.99 | 6.99 | 3.49 | .00450 | .000 | 1 |
| CAL3 | 25000. | 25613. | 613. | 2.45 | .66794 | .003 | 1 |
| CAL4 | 125000. | 124830. | -166. | -.133 | 3.2590 | .003 | 1 |
| CAL5 | 250000. | 249550. | -455. | -.182 | 6.5157 | .022 | 1 |



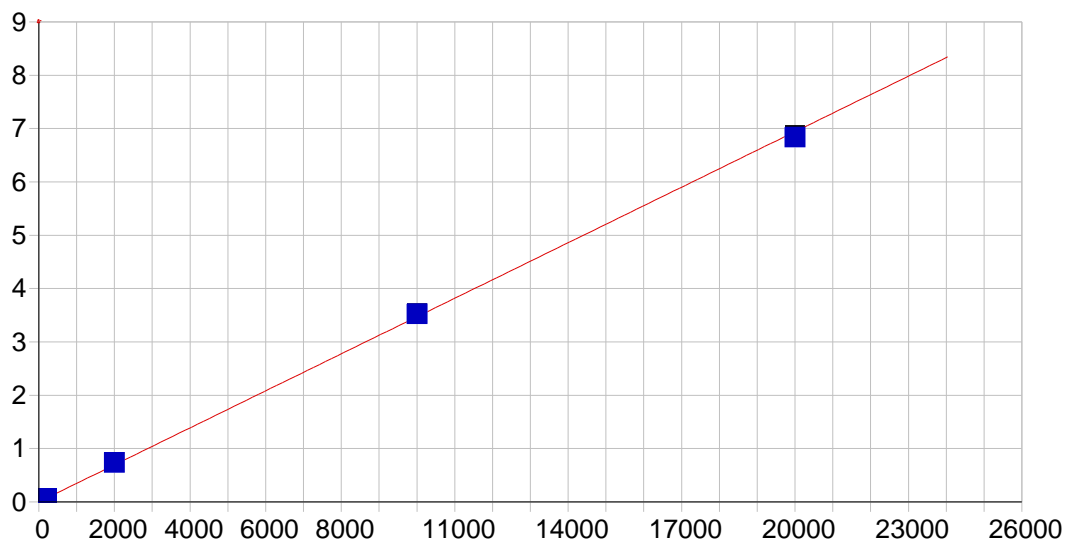


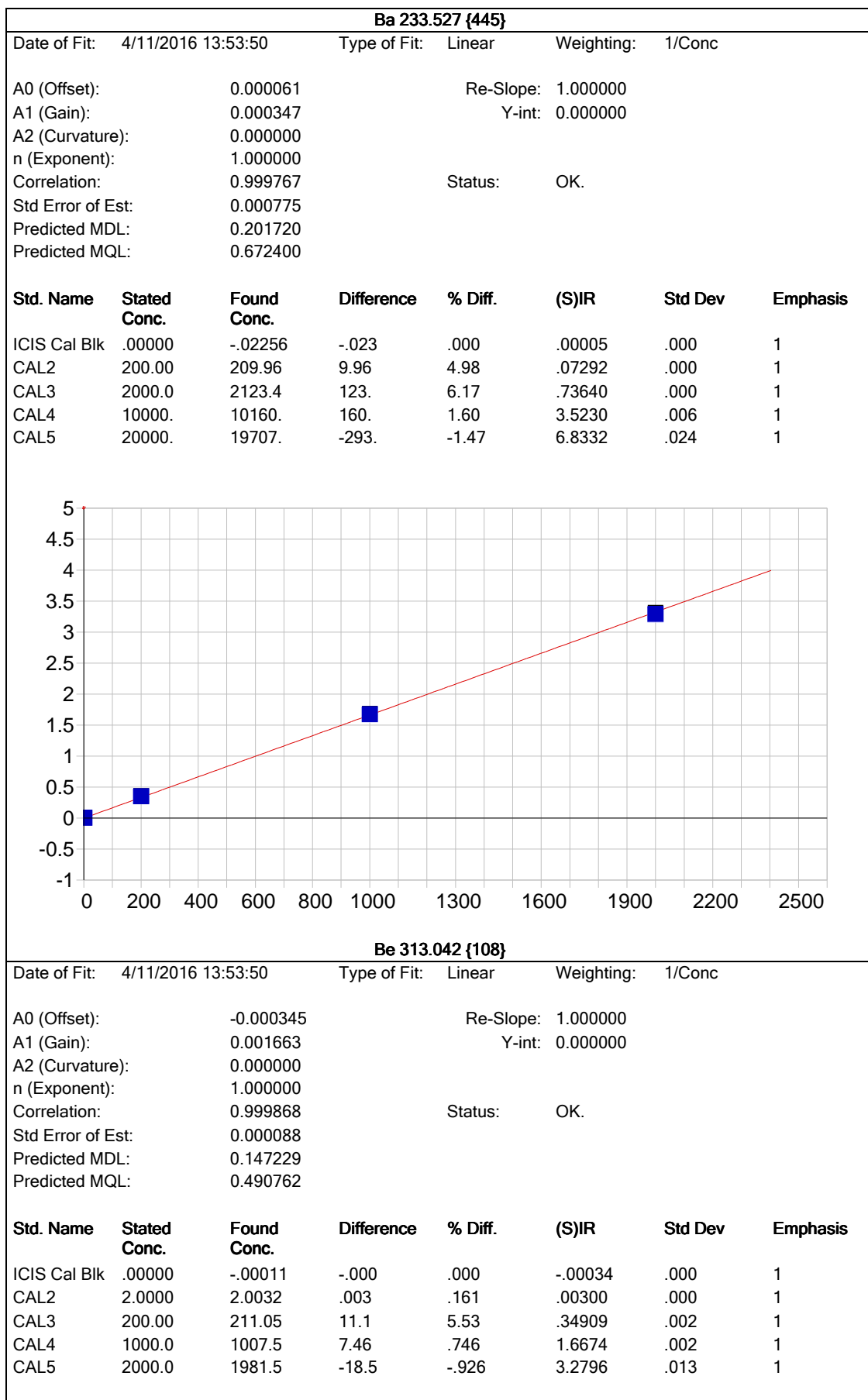
Ag 328.068 {103}

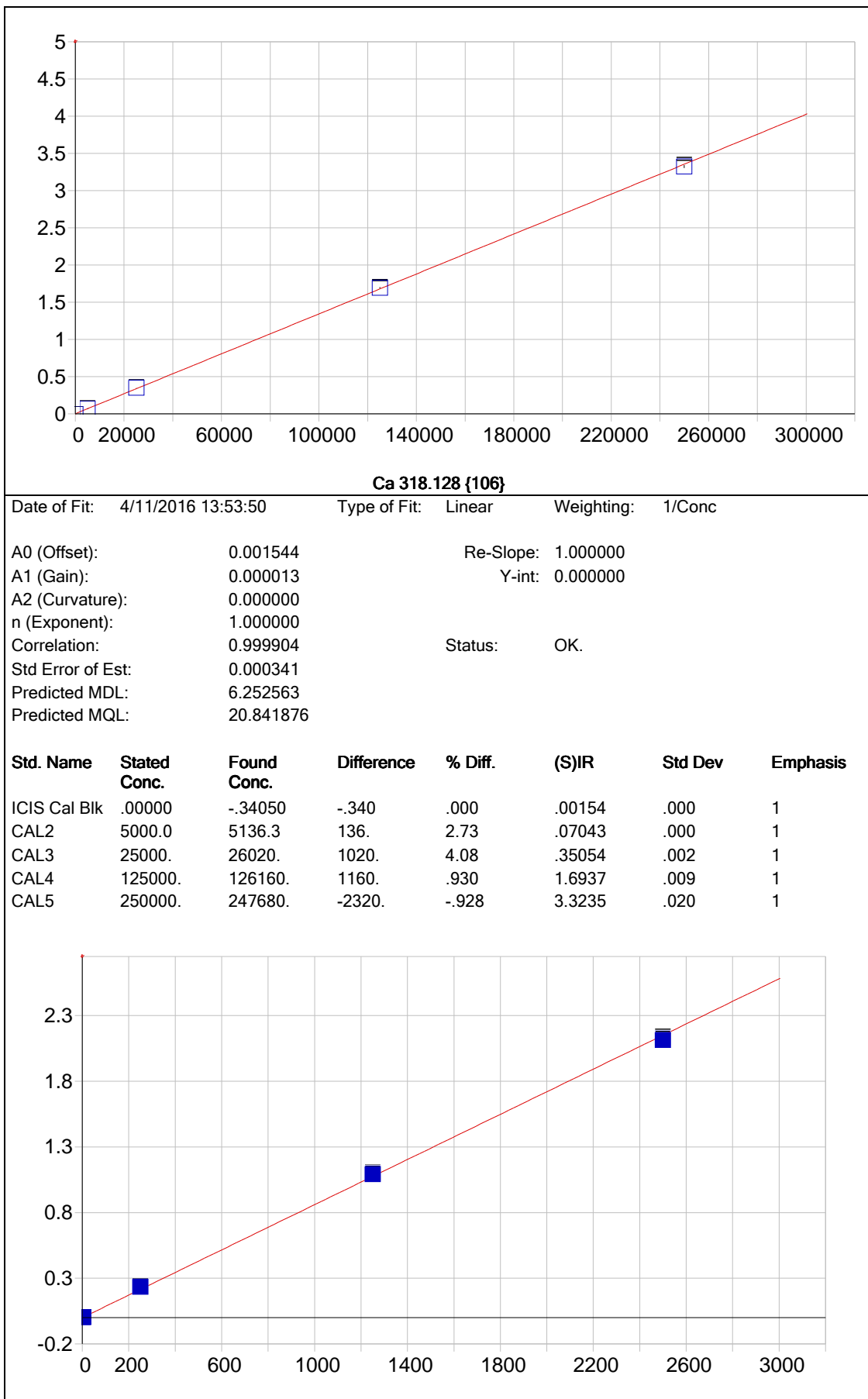
Date of Fit: 4/11/2016 13:53:50 Type of Fit: Linear Weighting: 1/Conc

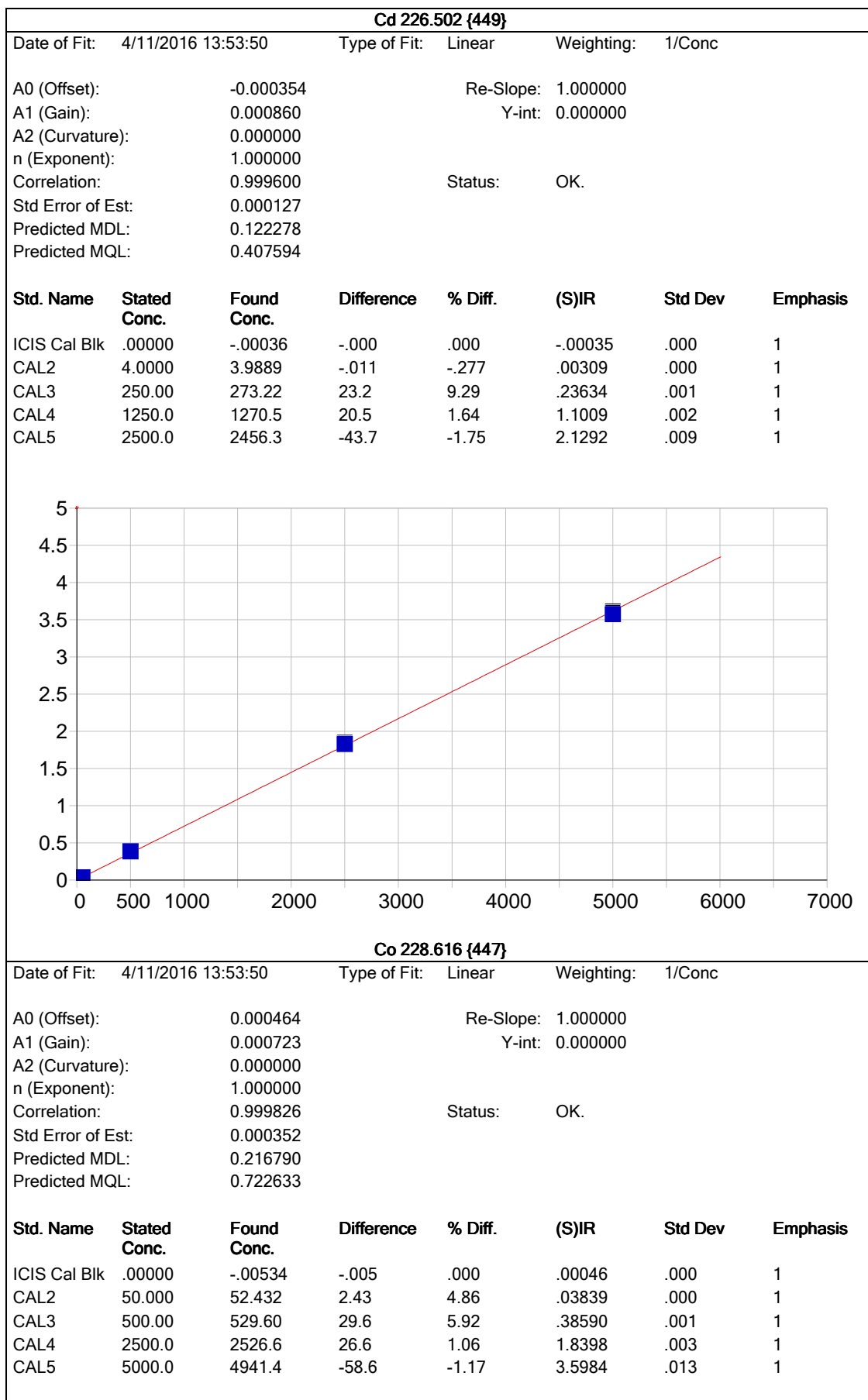
A0 (Offset): 0.000026 Re-Slope: 1.000000
 A1 (Gain): 0.000129 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999991 Status: OK.
 Std Error of Est: 0.000004
 Predicted MDL: 0.579529
 Predicted MQL: 1.931762

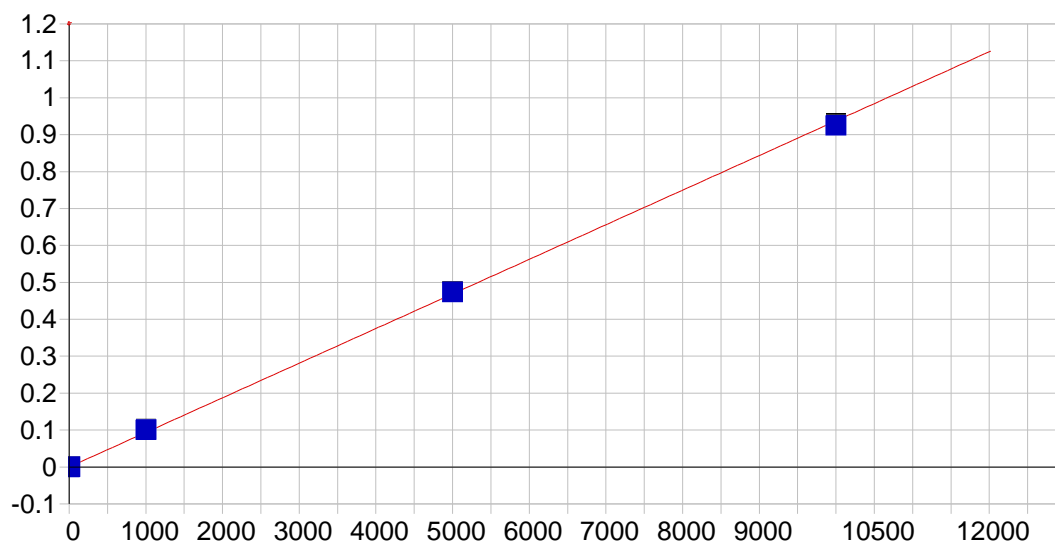
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|--------|---------|----------|
| ICIS Cal Blk | .00000 | .00047 | .000 | .000 | .00003 | .000 | 1 |
| CAL2 | 10.000 | 9.5395 | -.460 | -4.60 | .00125 | .000 | 1 |
| CAL3 | 250.00 | 250.45 | .448 | .179 | .03225 | .000 | 1 |
| CAL4 | 1250.0 | 1243.5 | -6.47 | -.518 | .16002 | .000 | 1 |
| CAL5 | 2500.0 | 2506.5 | 6.48 | .259 | .32252 | .001 | 1 |









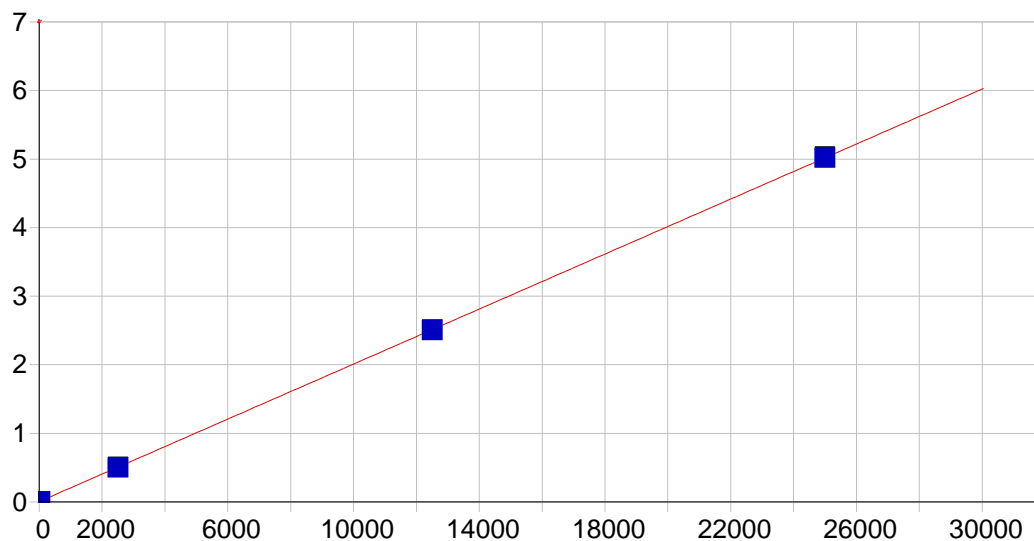


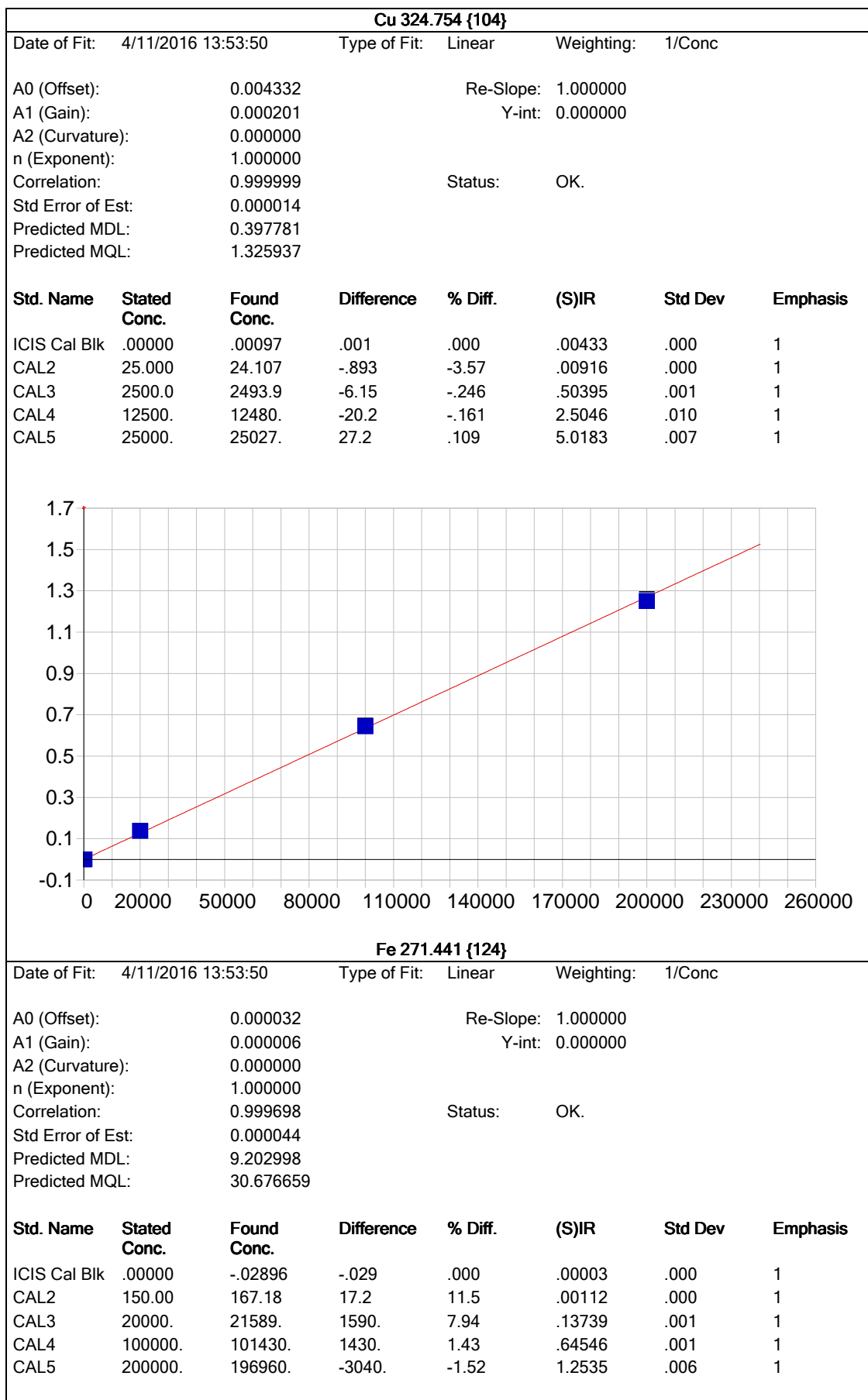
Cr 267.716 {126}

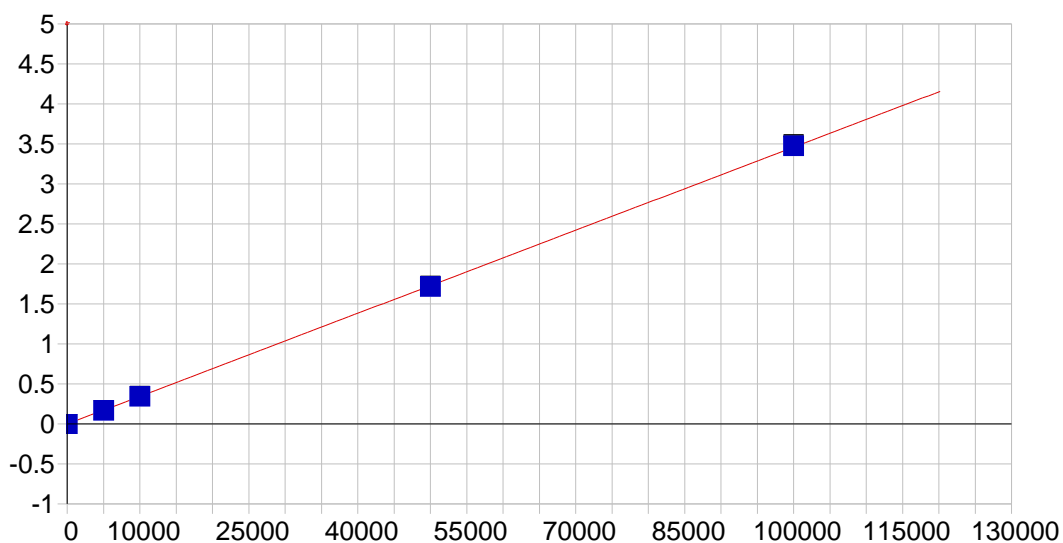
Date of Fit: 4/11/2016 13:53:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000027 Re-Slope: 1.000000
 A1 (Gain): 0.000094 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999746 Status: OK.
 Std Error of Est: 0.000034
 Predicted MDL: 0.546717
 Predicted MQL: 1.822390

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | -.00085 | -.001 | .000 | -.00003 | .000 | 1 |
| CAL2 | 10.000 | 10.102 | .102 | 1.02 | .00093 | .000 | 1 |
| CAL3 | 1000.0 | 1077.4 | 77.4 | 7.74 | .10097 | .001 | 1 |
| CAL4 | 5000.0 | 5050.3 | 50.3 | 1.01 | .47344 | .001 | 1 |
| CAL5 | 10000. | 9872.2 | -128. | -1.28 | .92550 | .005 | 1 |





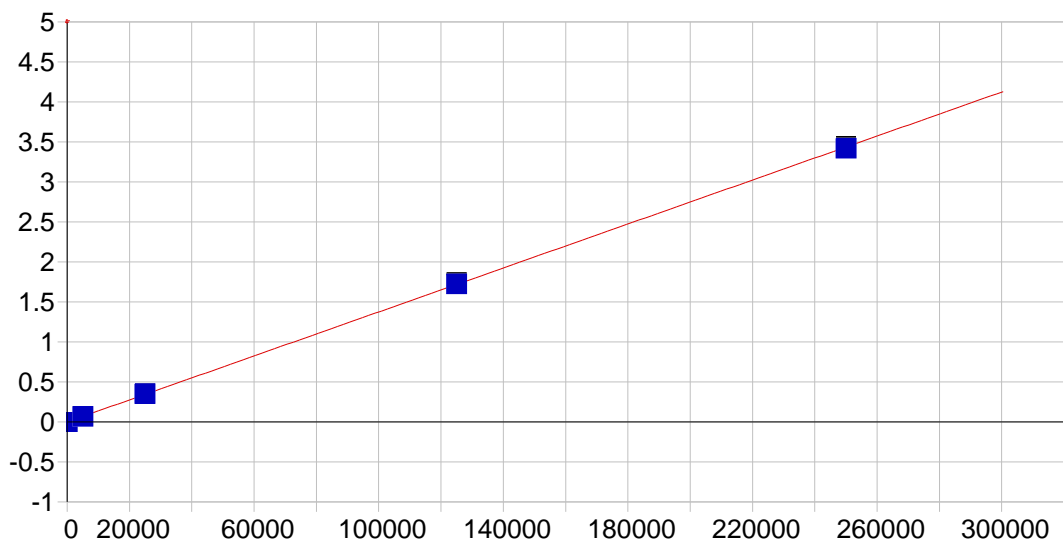


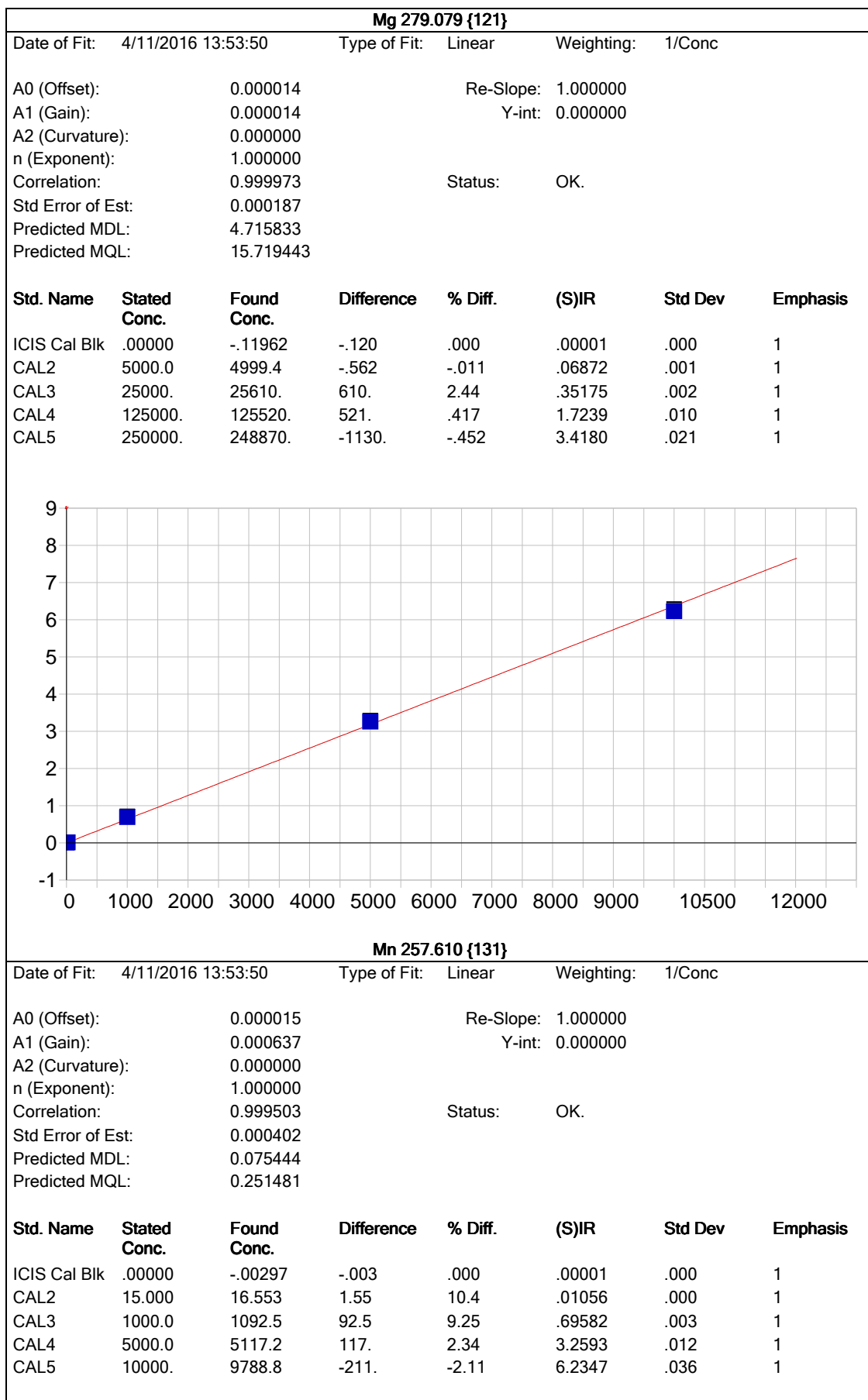
K 766.490 { 44}

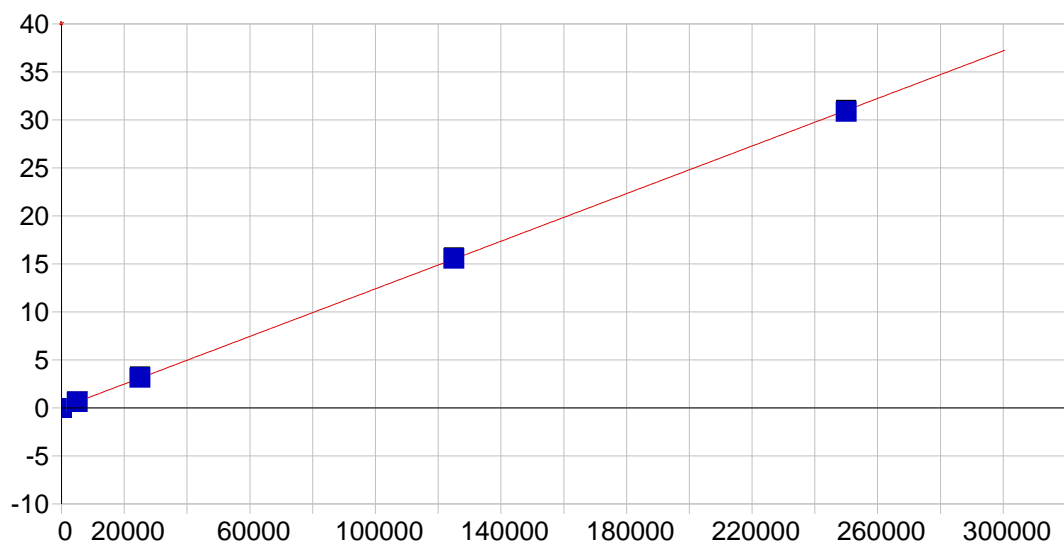
Date of Fit: 4/11/2016 13:53:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001371 Re-Slope: 1.000000
 A1 (Gain): 0.000035 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999980 Status: OK.
 Std Error of Est: 0.000257
 Predicted MDL: 32.892318
 Predicted MQL: 109.641060

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | .11007 | .110 | .000 | -.00137 | .000 | 1 |
| CAL2 | 5000.0 | 4902.6 | -97.4 | -1.95 | .16828 | .001 | 1 |
| CAL3 | 10000. | 10001. | 1.20 | .012 | .34441 | .001 | 1 |
| CAL4 | 50000. | 49638. | -362. | -.723 | 1.7148 | .003 | 1 |
| CAL5 | 100000. | 100460. | 458. | .458 | 3.4719 | .014 | 1 |





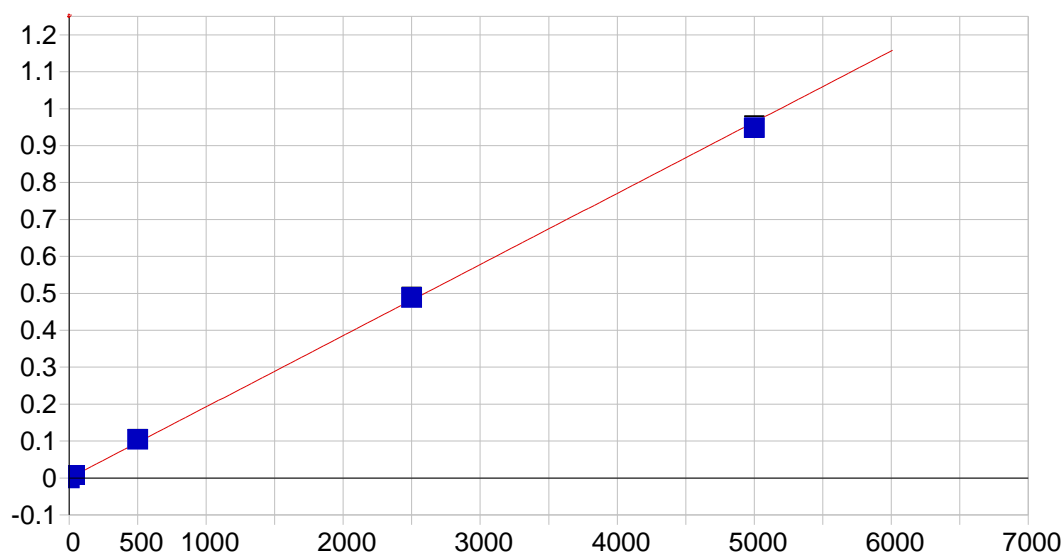


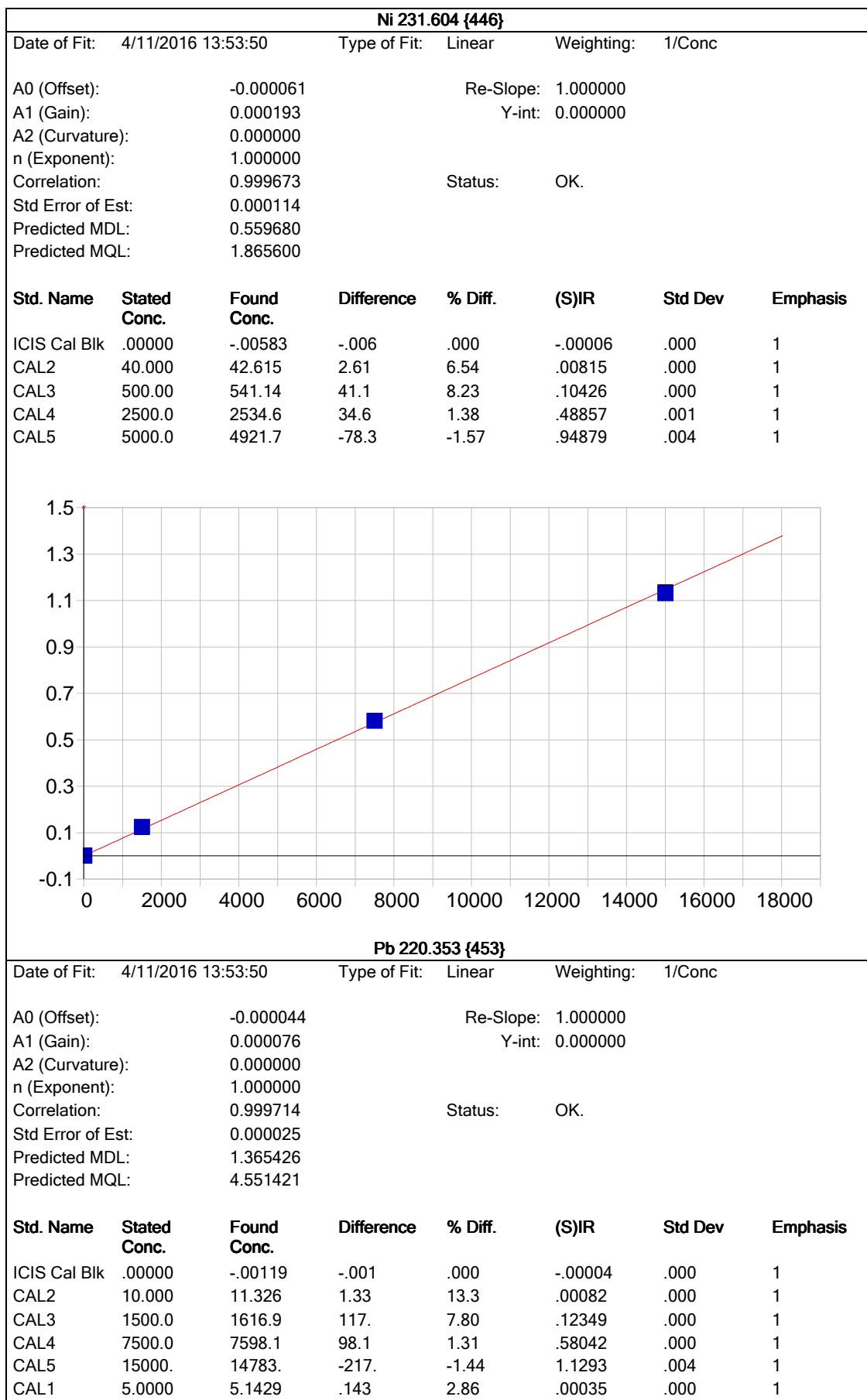
Na 589.592 { 57}

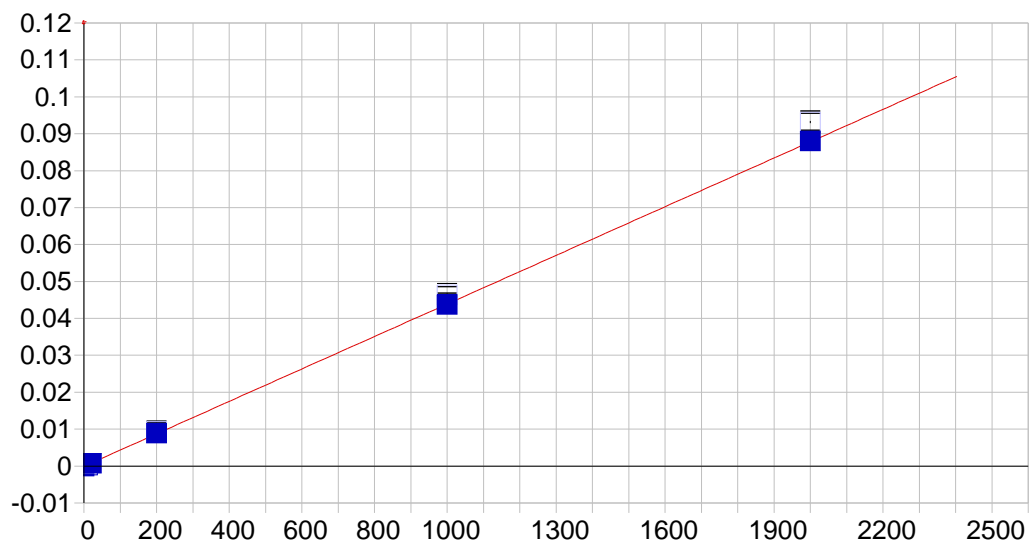
Date of Fit: 4/11/2016 13:53:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000255 Re-Slope: 1.000000
 A1 (Gain): 0.000124 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999971 Status: OK.
 Std Error of Est: 0.001721
 Predicted MDL: 8.925054
 Predicted MQL: 29.750178

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | -.13720 | -.137 | .000 | -.00027 | .000 | 1 |
| CAL2 | 5000.0 | 5014.9 | 14.9 | .298 | .62160 | .002 | 1 |
| CAL3 | 25000. | 25623. | 623. | 2.49 | 3.1780 | .013 | 1 |
| CAL4 | 125000. | 125520. | 523. | .418 | 15.569 | .038 | 1 |
| CAL5 | 250000. | 248840. | -1160. | -.464 | 30.866 | .120 | 1 |





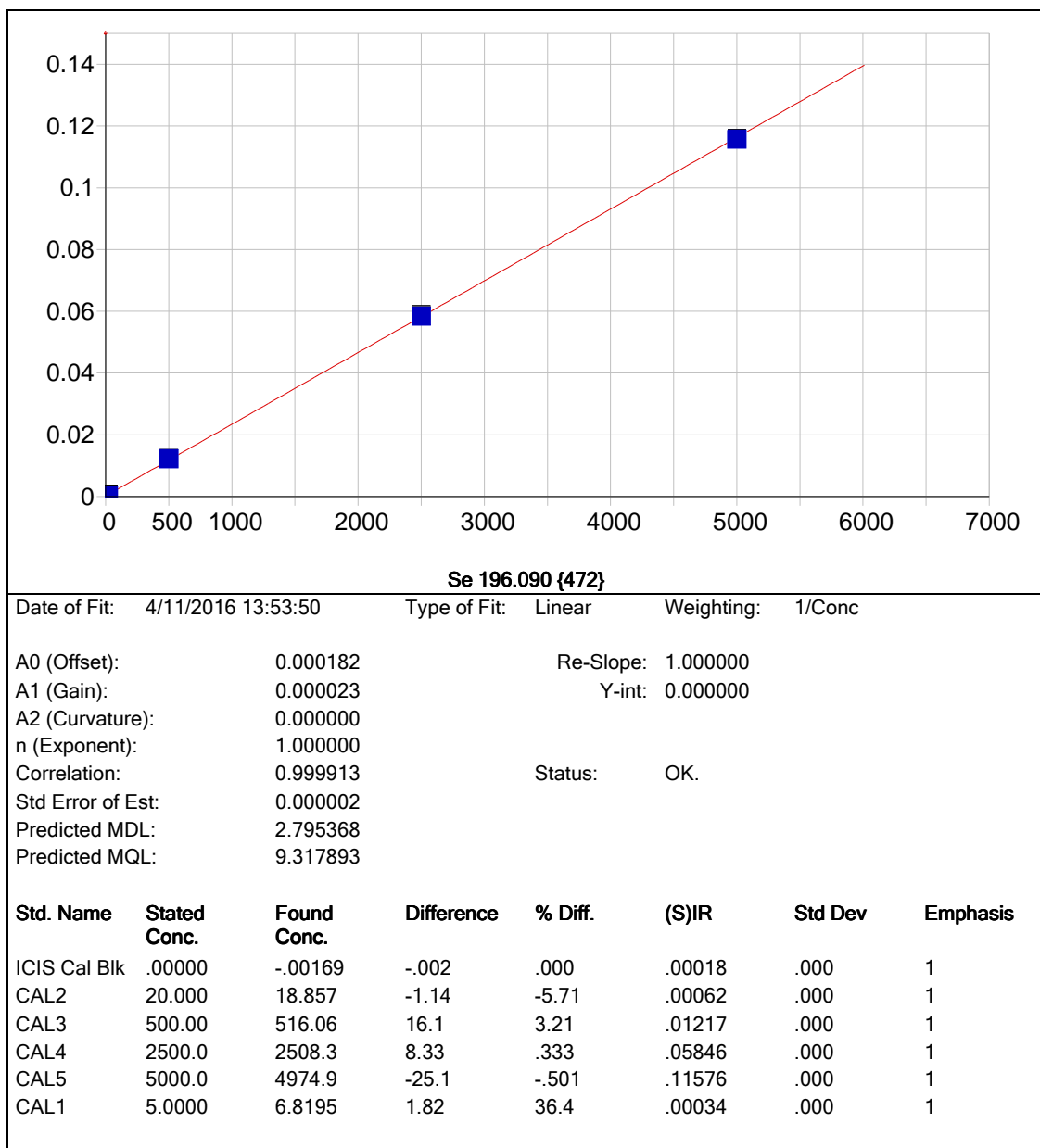


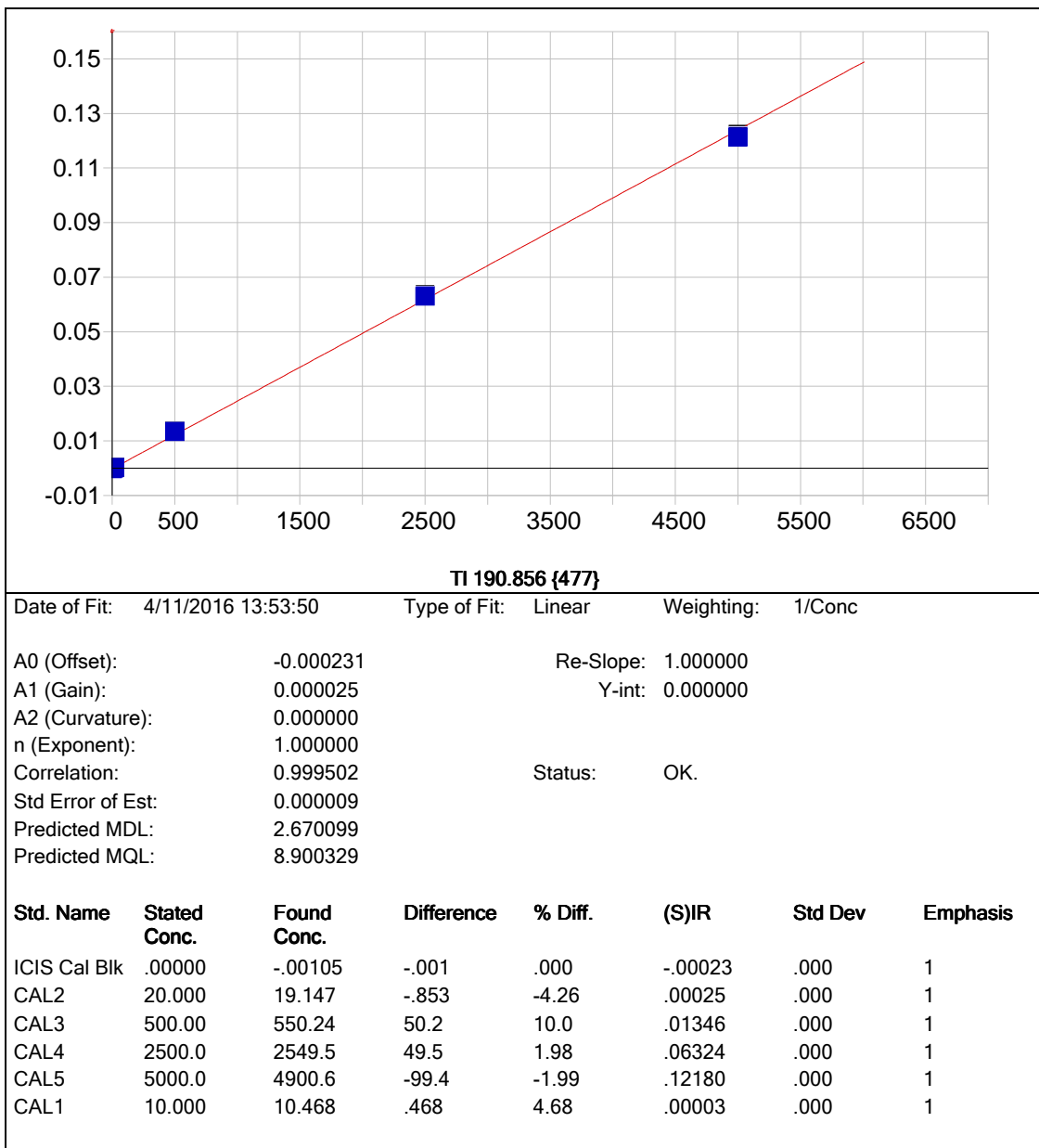
Sb 206.833 {463}

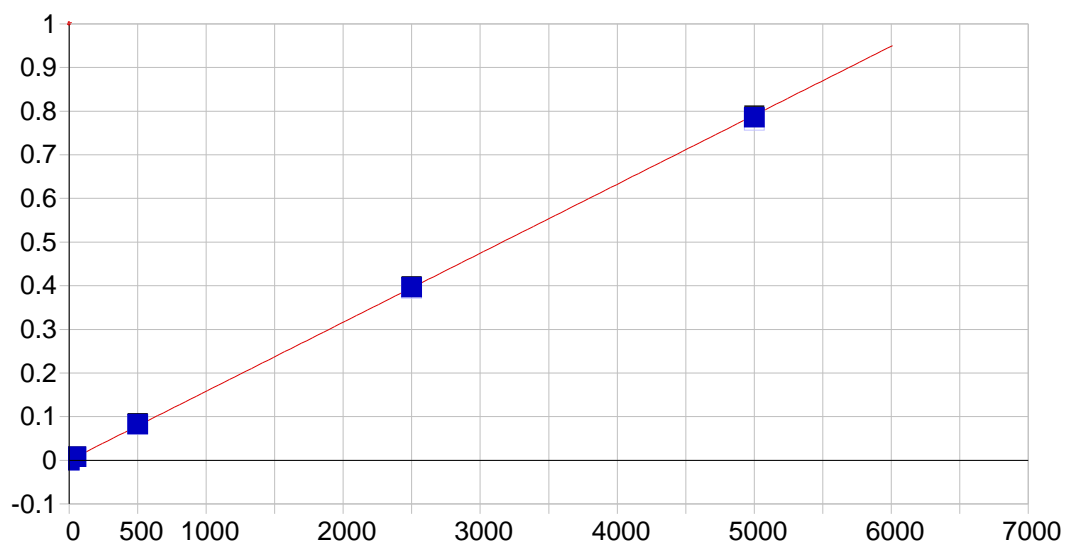
Date of Fit: 4/11/2016 13:53:50 Type of Fit: Linear Weighting: 1/Conc

| | | | |
|-------------------|-----------|-----------|----------|
| A0 (Offset): | -0.000059 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.000044 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999861 | Status: | OK. |
| Std Error of Est: | 0.000005 | | |
| Predicted MDL: | 1.864046 | | |
| Predicted MQL: | 6.213487 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | .00355 | .004 | .000 | -.00006 | .000 | 1 |
| CAL2 | 20.000 | 18.041 | -1.96 | -9.80 | .00071 | .000 | 1 |
| CAL3 | 200.00 | 203.19 | 3.19 | 1.59 | .00939 | .000 | 1 |
| CAL4 | 1000.0 | 997.10 | -2.90 | -.290 | .04633 | .000 | 1 |
| CAL5 | 2000.0 | 2004.1 | 4.10 | .205 | .09316 | .000 | 1 |
| CAL1 | 10.000 | 7.2766 | -2.72 | -27.2 | .00026 | .000 | 1 |





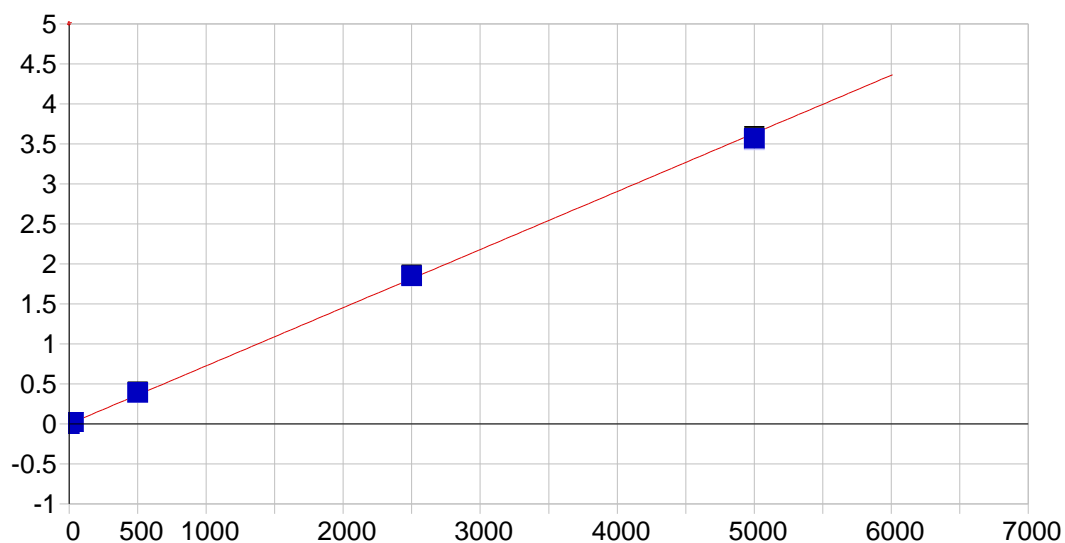


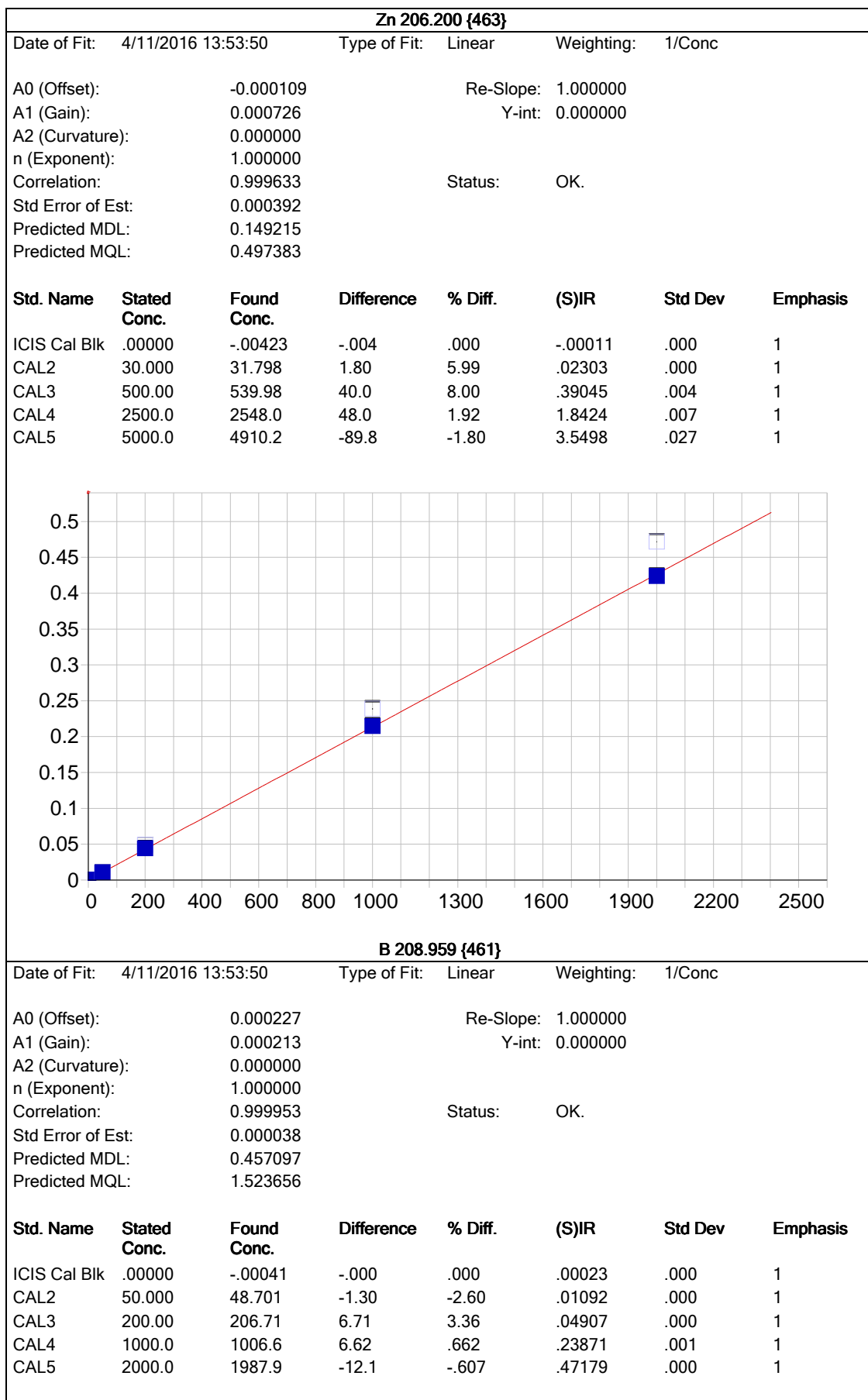
V 292.402 {115}

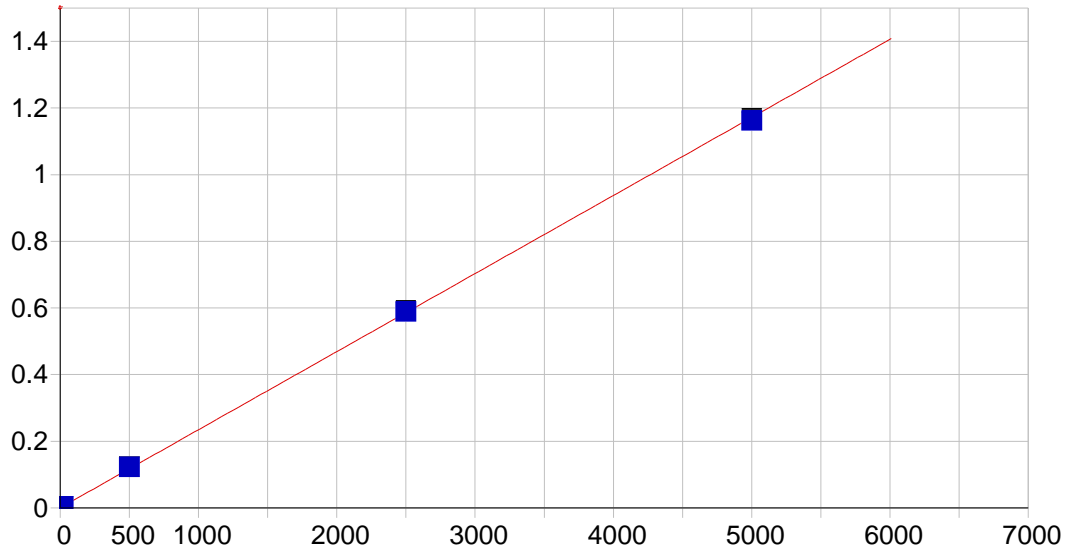
Date of Fit: 4/11/2016 13:53:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000003 Re-Slope: 1.000000
 A1 (Gain): 0.000158 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999914 Status: OK.
 Std Error of Est: 0.000053
 Predicted MDL: 0.427130
 Predicted MQL: 1.423768

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|---------|---------|----------|
| ICIS Cal Blk | .00000 | -.00362 | -.004 | .000 | -.00000 | .000 | 1 |
| CAL2 | 50.000 | 51.461 | 1.46 | 2.92 | .00812 | .000 | 1 |
| CAL3 | 500.00 | 523.30 | 23.3 | 4.66 | .08208 | .000 | 1 |
| CAL4 | 2500.0 | 2507.5 | 7.54 | .301 | .39317 | .000 | 1 |
| CAL5 | 5000.0 | 4967.7 | -32.3 | -.646 | .77885 | .003 | 1 |





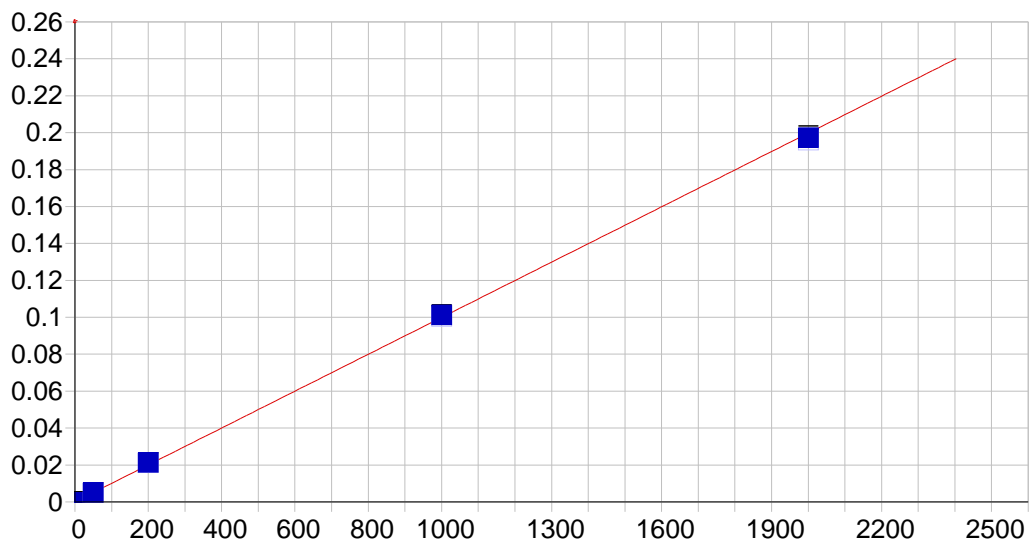


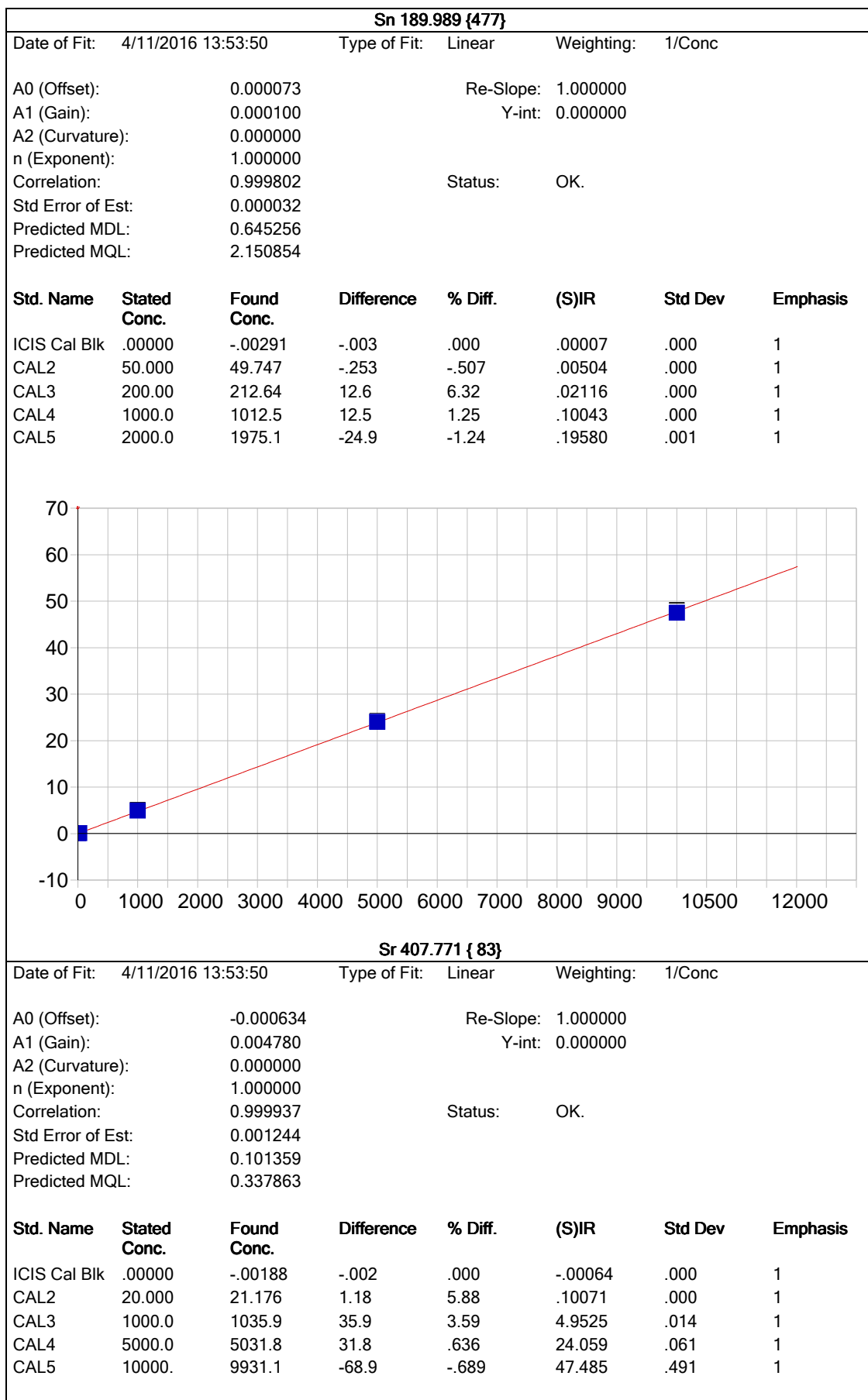
Mo 202.030 {467}

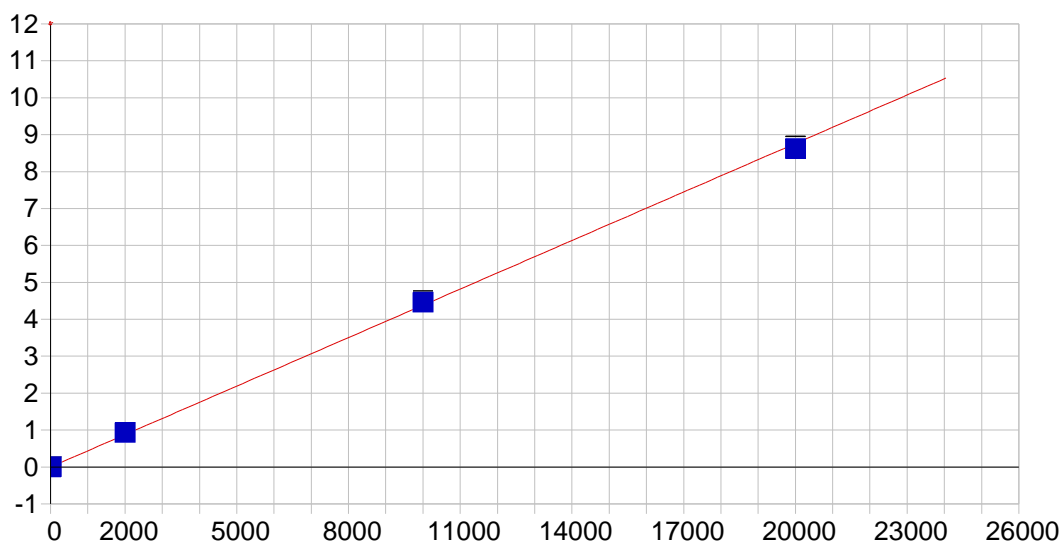
Date of Fit: 4/11/2016 13:53:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000311 Re-Slope: 1.000000
 A1 (Gain): 0.000234 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999906 Status: OK.
 Std Error of Est: 0.000053
 Predicted MDL: 0.304857
 Predicted MQL: 1.016188

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|--------|---------|----------|
| ICIS Cal Blk | .00000 | -.00026 | -.000 | .000 | .00031 | .000 | 1 |
| CAL2 | 20.000 | 19.350 | -.650 | -3.25 | .00484 | .000 | 1 |
| CAL3 | 500.00 | 523.63 | 23.6 | 4.73 | .12292 | .000 | 1 |
| CAL4 | 2500.0 | 2514.7 | 14.7 | .589 | .58912 | .002 | 1 |
| CAL5 | 5000.0 | 4962.3 | -37.7 | -.754 | 1.1622 | .005 | 1 |





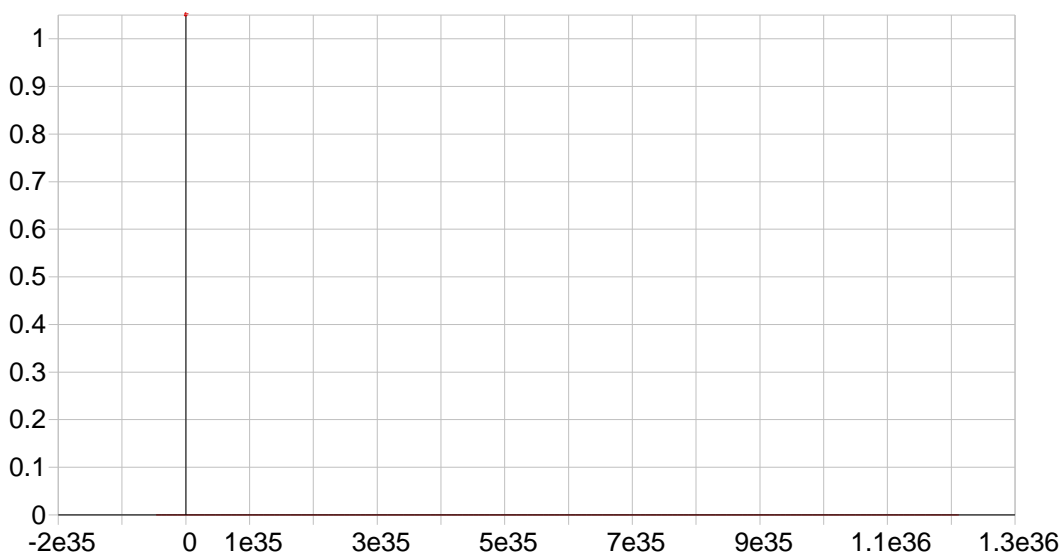


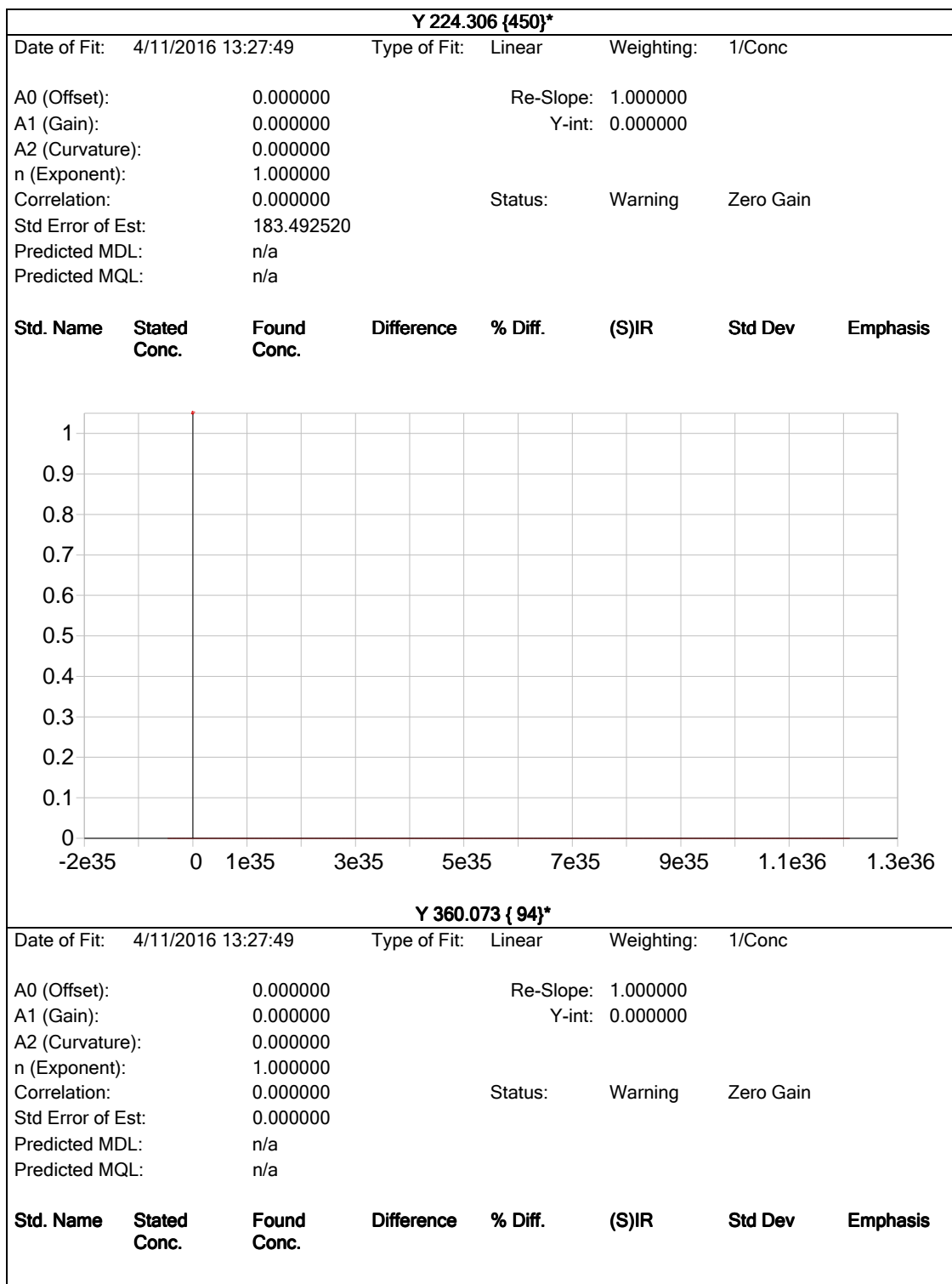
Ti 334.941 {101}

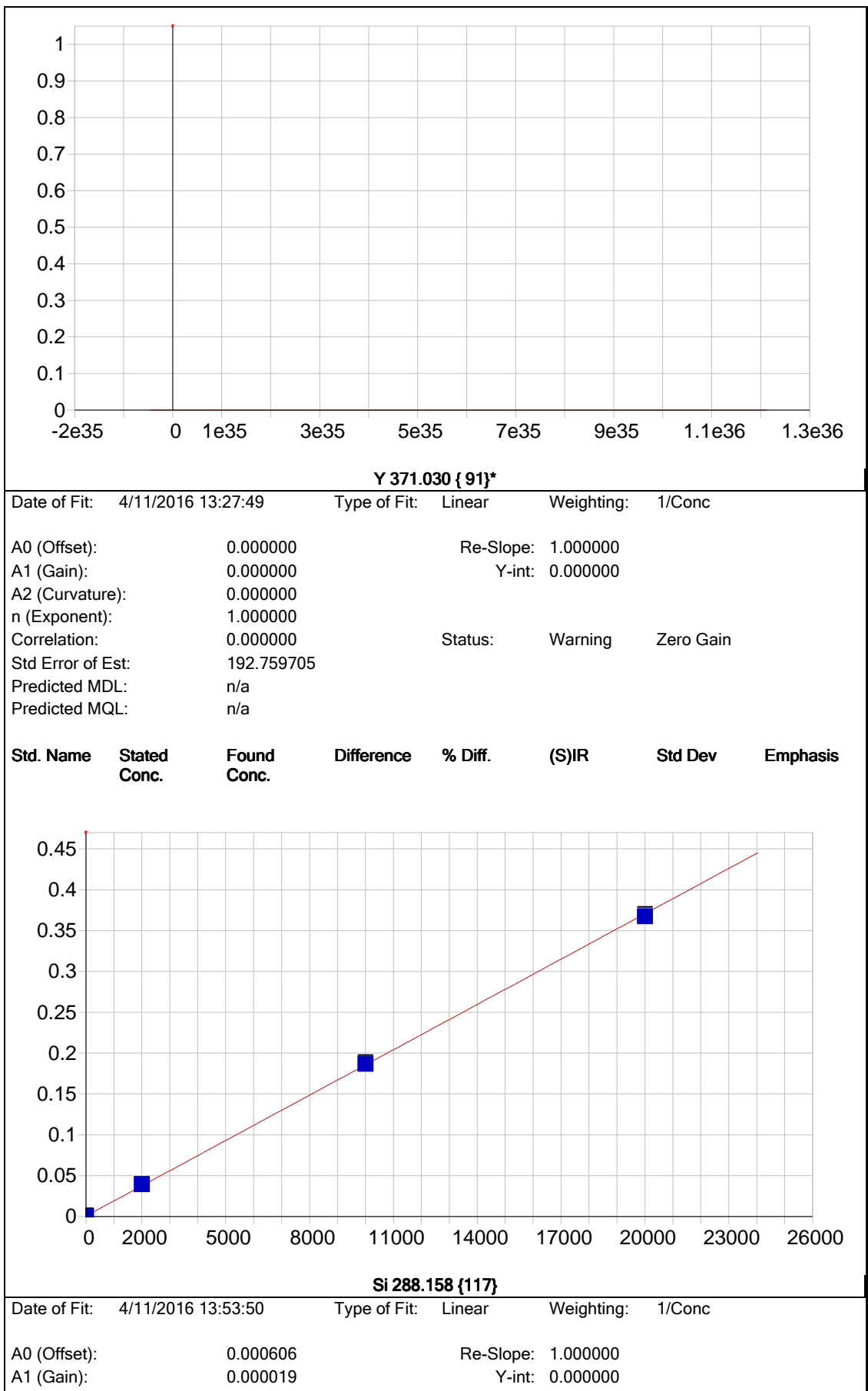
Date of Fit: 4/11/2016 13:53:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000095 Re-Slope: 1.000000
 A1 (Gain): 0.000438 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999744 Status: OK.
 Std Error of Est: 0.000324
 Predicted MDL: 0.208715
 Predicted MQL: 0.695717

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|--------------|--------------|-------------|------------|---------|--------|---------|----------|
| ICIS Cal Blk | .00000 | -.00190 | -.002 | .000 | .00009 | .000 | 1 |
| CAL2 | 20.000 | 20.587 | .587 | 2.93 | .00912 | .000 | 1 |
| CAL3 | 2000.0 | 2125.0 | 125. | 6.25 | .93126 | .003 | 1 |
| CAL4 | 10000. | 10190. | 190. | 1.90 | 4.4655 | .027 | 1 |
| CAL5 | 20000. | 19684. | -316. | -1.58 | 8.6260 | .059 | 1 |







| | | | | | | | |
|-------------------|--------------|-------------|------------|---------|--------|---------|----------|
| A2 (Curvature): | | 0.000000 | | Status: | OK. | | |
| n (Exponent): | | 1.000000 | | | | | |
| Correlation: | | 0.999906 | | | | | |
| Std Error of Est: | | 0.000090 | | | | | |
| Predicted MDL: | | 15.077158 | | | | | |
| Predicted MQL: | | 50.257193 | | | | | |
| | | | | | | | |
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
| ICIS Cal Blk | .00000 | -.08905 | -.089 | .000 | .00060 | .000 | 1 |
| CAL5 | 20000. | 19837. | -163. | -.815 | .36692 | .003 | 1 |
| CAL3 | 2000.0 | 2090.9 | 90.9 | 4.55 | .03922 | .000 | 1 |
| CAL4 | 10000. | 10072. | 72.0 | .720 | .18660 | .002 | 1 |

Sample Name: ICIS Cal Blk Acquired: 4/11/2016 13:31:20 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.0009 | -.0001 | .0000 | .0001 | -.0003 | .0015 |
| Stddev | .0003 | .0000 | .0000 | .0001 | .0001 | .0001 |
| %RSD | 28.71 | 1.612 | 90.16 | 98.41 | 23.08 | 5.059 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|---------------|--------------|
| #1 | -.0009 | -.0001 | .0001 | .0001 | -.0003 | .0016 |
| #2 | -.0012 | -.0001 | .0000 | .0000 | -.0004 | .0016 |
| #3 | -.0006 | -.0001 | .0000 | .0000 | -.0004 | .0015 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.0004 | .0005 | -.0000 | .0043 | .0000 | -.0014 |
| Stddev | .0001 | .0000 | .0000 | .0000 | .0000 | .0000 |
| %RSD | 26.71 | 1.292 | 91.67 | 1.057 | 119.2 | 3.607 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|---------------|---------------|
| #1 | -.0004 | .0005 | -.0000 | .0043 | -.0000 | -.0014 |
| #2 | -.0003 | .0005 | .0000 | .0043 | .0001 | -.0013 |
| #3 | -.0004 | .0005 | -.0000 | .0044 | .0000 | -.0014 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | .0000 | -.0003 | -.0001 | -.0000 | -.0001 |
| Stddev | .0000 | .0000 | .0004 | .0001 | .0000 | .0000 |
| %RSD | 167.2 | 136.7 | 128.8 | 190.4 | 55.09 | 19.13 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|---------------|---------------|
| #1 | .0000 | .0000 | -.0005 | -.0001 | -.0000 | -.0001 |
| #2 | .0000 | .0000 | -.0005 | .0001 | -.0000 | -.0001 |
| #3 | -.0000 | -.0000 | .0001 | -.0001 | -.0001 | -.0000 |

Sample Name: ICIS Cal Blk Acquired: 4/11/2016 13:31:20 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0002 | -.0002 | -.0000 | -.0001 | .0002 | .0003 |
| Stddev | .0000 | .0001 | .0000 | .0001 | .0000 | .0001 |
| %RSD | 18.48 | 40.34 | 814.9 | 72.44 | 19.92 | 22.00 |

| | | | | | | |
|----|-------|--------|--------|--------|-------|-------|
| #1 | .0002 | -.0002 | .0000 | -.0001 | .0003 | .0002 |
| #2 | .0002 | -.0001 | -.0000 | -.0000 | .0002 | .0003 |
| #3 | .0002 | -.0003 | -.0000 | -.0002 | .0002 | .0004 |

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0001 | -.0006 | .0001 | .0006 |
| Stddev | .0000 | .0003 | .0002 | .0002 |
| %RSD | 51.22 | 53.42 | 225.3 | 34.61 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .0000 | -.0009 | -.0001 | .0007 |
| #2 | .0001 | -.0007 | .0000 | .0004 |
| #3 | .0001 | -.0003 | .0003 | .0007 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9044.8 | 61609. | 9345.3 |
| Stddev | 14.9 | 427. | 99.9 |
| %RSD | .16477 | .69361 | 1.0686 |

| | | | |
|----|--------|--------|--------|
| #1 | 9059.0 | 61175. | 9341.7 |
| #2 | 9046.2 | 61623. | 9247.3 |
| #3 | 9029.3 | 62029. | 9447.0 |

Sample Name: CAL1 Acquired: 4/11/2016 13:35:11 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Pb2203 | Sb2068 | Se196 | Tl1908 |
|-----------|---------------|---------------|---------------|---------------|---------------|
| Line | 189.042 {478} | 220.353 {453} | 206.833 {463} | 196.090 {472} | 190.856 {477} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | .0003 | .0003 | .0003 | .0000 |
| Stddev | .0000 | .0000 | .0000 | .0000 | .0001 |
| %RSD | 292.1 | 10.55 | 4.098 | 11.03 | 257.5 |
| #1 | .0000 | .0003 | .0003 | .0003 | -.0000 |
| #2 | .0000 | .0003 | .0003 | .0004 | .0001 |
| #3 | -.0000 | .0004 | .0003 | .0003 | .0000 |
| Int. Std. | Y_2243 | | | | |
| Line | 224.306 {450} | | | | |
| Units | Cts/S | | | | |
| Avg | 8978.5 | | | | |
| Stddev | 52.3 | | | | |
| %RSD | .58294 | | | | |
| #1 | 9031.9 | | | | |
| #2 | 8976.4 | | | | |
| #3 | 8927.3 | | | | |

Sample Name: CAL2 Acquired: 4/11/2016 13:39:06 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0045 | .0003 | .0012 | .0729 | .0030 | .0704 |
| Stddev | .0001 | .0001 | .0001 | .0003 | .0002 | .0002 |
| %RSD | 2.436 | 21.34 | 5.069 | .3696 | 5.834 | .2701 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .0044 | .0003 | .0012 | .0731 | .0028 | .0705 |
| #2 | .0045 | .0004 | .0013 | .0731 | .0032 | .0702 |
| #3 | .0046 | .0002 | .0013 | .0726 | .0030 | .0706 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0031 | .0384 | .0009 | .0092 | .0011 | .1683 |
| Stddev | .0000 | .0003 | .0000 | .0000 | .0000 | .0010 |
| %RSD | .7849 | .6586 | 4.464 | .3256 | 2.530 | .5972 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .0031 | .0383 | .0009 | .0092 | .0011 | .1675 |
| #2 | .0031 | .0387 | .0010 | .0092 | .0011 | .1679 |
| #3 | .0031 | .0382 | .0009 | .0091 | .0011 | .1694 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0687 | .0106 | .6216 | .0082 | .0008 | .0007 |
| Stddev | .0006 | .0001 | .0016 | .0000 | .0001 | .0001 |
| %RSD | .8618 | .5935 | .2551 | .5406 | 10.07 | 13.09 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .0683 | .0105 | .6221 | .0082 | .0009 | .0008 |
| #2 | .0684 | .0105 | .6198 | .0082 | .0007 | .0007 |
| #3 | .0694 | .0106 | .6229 | .0081 | .0009 | .0007 |

Sample Name: CAL2 Acquired: 4/11/2016 13:39:06 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0006 | .0002 | .0081 | .0230 | .0109 | .0048 |
| Stddev | .0000 | .0000 | .0001 | .0002 | .0001 | .0000 |
| %RSD | 2.023 | 16.13 | 1.060 | 1.004 | 1.139 | .6080 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .0006 | .0002 | .0081 | .0229 | .0110 | .0049 |
| #2 | .0006 | .0003 | .0081 | .0233 | .0110 | .0048 |
| #3 | .0006 | .0003 | .0082 | .0229 | .0108 | .0048 |

| | | | |
|--------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | .0050 | .1007 | .0091 |
| Stddev | .0000 | .0003 | .0001 |
| %RSD | .2936 | .3339 | .9710 |

| | | | |
|----|-------|-------|-------|
| #1 | .0051 | .1003 | .0091 |
| #2 | .0050 | .1010 | .0091 |
| #3 | .0050 | .1008 | .0092 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8934.5 | 61211. | 9091.8 |
| Stddev | 19.9 | 405. | 36.1 |
| %RSD | .22316 | .66216 | .39666 |

| | | | |
|----|--------|--------|--------|
| #1 | 8912.9 | 60900. | 9062.9 |
| #2 | 8952.1 | 61669. | 9132.2 |
| #3 | 8938.7 | 61064. | 9080.2 |

Sample Name: CAL3 Acquired: 4/11/2016 13:42:55 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .6679 | .0182 | .0322 | .7364 | .3491 | .3505 |
| Stddev | .0030 | .0000 | .0000 | .0001 | .0024 | .0016 |
| %RSD | .4541 | .1321 | .1160 | .0155 | .6793 | .4613 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .6648 | .0182 | .0322 | .7365 | .3466 | .3489 |
| #2 | .6709 | .0182 | .0322 | .7364 | .3513 | .3522 |
| #3 | .6681 | .0182 | .0323 | .7363 | .3494 | .3505 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .2363 | .3859 | .1010 | .5040 | .1374 | .3444 |
| Stddev | .0008 | .0010 | .0006 | .0010 | .0008 | .0011 |
| %RSD | .3537 | .2644 | .5999 | .1937 | .5821 | .3217 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .2363 | .3862 | .1004 | .5029 | .1366 | .3431 |
| #2 | .2372 | .3867 | .1016 | .5043 | .1382 | .3452 |
| #3 | .2355 | .3848 | .1009 | .5047 | .1374 | .3449 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .3517 | .6958 | 3.178 | .1043 | .1235 | .0094 |
| Stddev | .0024 | .0028 | .013 | .0005 | .0003 | .0001 |
| %RSD | .6794 | .4042 | .4038 | .4417 | .2483 | .8548 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .3493 | .6931 | 3.166 | .1048 | .1235 | .0093 |
| #2 | .3540 | .6987 | 3.191 | .1040 | .1238 | .0094 |
| #3 | .3520 | .6956 | 3.177 | .1040 | .1232 | .0095 |

Sample Name: CAL3 Acquired: 4/11/2016 13:42:55 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0122 | .0135 | .0821 | .3905 | .0491 | .1229 |
| Stddev | .0001 | .0000 | .0004 | .0036 | .0001 | .0003 |
| %RSD | .5411 | .1643 | .5017 | .9138 | .2528 | .2686 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | .0122 | .0135 | .0817 | .3907 | .0492 | .1232 |
| #2 | .0121 | .0134 | .0825 | .3939 | .0490 | .1230 |
| #3 | .0122 | .0135 | .0820 | .3868 | .0491 | .1226 |

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0212 | 4.952 | .9313 | .0392 |
| Stddev | .0001 | .014 | .0033 | .0002 |
| %RSD | .3784 | .2833 | .3508 | .5841 |

| | | | | |
|----|--------------|--------------|--------------|--------------|
| #1 | .0212 | 4.936 | .9275 | .0394 |
| #2 | .0212 | 4.961 | .9334 | .0393 |
| #3 | .0211 | 4.960 | .9329 | .0390 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8797.8 | 59707. | 9046.1 |
| Stddev | 55.4 | 395. | 50.4 |
| %RSD | .62931 | .66204 | .55713 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8796.4 | 60052. | 9085.0 |
| #2 | 8743.2 | 59276. | 8989.2 |
| #3 | 8853.9 | 59794. | 9064.3 |

Sample Name: CAL4 Acquired: 4/11/2016 13:46:31 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 3.259 | .0892 | .1600 | 3.523 | 1.667 | 1.694 |
| Stddev | .003 | .0001 | .0003 | .006 | .002 | .009 |
| %RSD | .1055 | .0973 | .1739 | .1843 | .1453 | .5123 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.263 | .0892 | .1600 | 3.524 | 1.669 | 1.684 |
| #2 | 3.258 | .0892 | .1603 | 3.529 | 1.669 | 1.697 |
| #3 | 3.256 | .0891 | .1598 | 3.516 | 1.665 | 1.700 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.101 | 1.840 | .4734 | 2.505 | .6455 | 1.715 |
| Stddev | .002 | .003 | .0010 | .010 | .0012 | .003 |
| %RSD | .1611 | .1847 | .2008 | .3841 | .1898 | .1991 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1.100 | 1.840 | .4725 | 2.514 | .6440 | 1.712 |
| #2 | 1.103 | 1.843 | .4744 | 2.505 | .6462 | 1.714 |
| #3 | 1.100 | 1.836 | .4734 | 2.495 | .6462 | 1.718 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.724 | 3.259 | 15.57 | .4886 | .5804 | .0463 |
| Stddev | .010 | .012 | .04 | .0008 | .0004 | .0004 |
| %RSD | .5930 | .3532 | .2460 | .1692 | .0613 | .8883 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1.712 | 3.246 | 15.61 | .4893 | .5802 | .0468 |
| #2 | 1.729 | 3.265 | 15.55 | .4887 | .5808 | .0460 |
| #3 | 1.731 | 3.267 | 15.55 | .4877 | .5803 | .0462 |

Sample Name: CAL4 Acquired: 4/11/2016 13:46:31 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0585 | .0632 | .3932 | 1.842 | .2387 | .5891 |
| Stddev | .0003 | .0002 | .0004 | .007 | .0009 | .0017 |
| %RSD | .5808 | .3209 | .0940 | .4014 | .3889 | .2821 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .0588 | .0634 | .3934 | 1.834 | .2397 | .5905 |
| #2 | .0584 | .0633 | .3933 | 1.845 | .2386 | .5896 |
| #3 | .0581 | .0630 | .3927 | 1.848 | .2378 | .5873 |

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .1004 | 24.06 | 4.465 | .1866 |
| Stddev | .0002 | .06 | .027 | .0016 |
| %RSD | .2118 | .2535 | .6014 | .8468 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .1004 | 24.11 | 4.436 | .1871 |
| #2 | .1007 | 24.08 | 4.488 | .1879 |
| #3 | .1002 | 23.99 | 4.473 | .1848 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8434.7 | 58154. | 9130.4 |
| Stddev | 14.8 | 420. | 103.6 |
| %RSD | .17566 | .72235 | 1.1344 |

| | | | |
|----|--------|--------|--------|
| #1 | 8451.5 | 58589. | 9215.0 |
| #2 | 8423.3 | 58123. | 9161.4 |
| #3 | 8429.4 | 57751. | 9014.9 |

Sample Name: CAL5 Acquired: 4/11/2016 13:50:02 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 6.516 | .1785 | .3225 | 6.833 | 3.280 | 3.324 |
| Stddev | .022 | .0004 | .0009 | .024 | .013 | .020 |
| %RSD | .3337 | .1973 | .2866 | .3494 | .3921 | .6059 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 6.508 | .1786 | .3219 | 6.838 | 3.274 | 3.302 |
| #2 | 6.499 | .1787 | .3220 | 6.854 | 3.270 | 3.327 |
| #3 | 6.540 | .1781 | .3236 | 6.807 | 3.294 | 3.342 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.129 | 3.598 | .9255 | 5.018 | 1.253 | 3.472 |
| Stddev | .009 | .013 | .0045 | .007 | .005 | .014 |
| %RSD | .4128 | .3619 | .4894 | .1417 | .4393 | .3894 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2.126 | 3.596 | .9207 | 5.025 | 1.247 | 3.467 |
| #2 | 2.139 | 3.612 | .9261 | 5.019 | 1.255 | 3.462 |
| #3 | 2.122 | 3.586 | .9297 | 5.011 | 1.258 | 3.487 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 3.418 | 6.235 | 30.87 | .9488 | 1.129 | .0932 |
| Stddev | .021 | .036 | .12 | .0041 | .004 | .0003 |
| %RSD | .6246 | .5727 | .3896 | .4326 | .3422 | .3184 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.396 | 6.197 | 31.00 | .9474 | 1.127 | .0934 |
| #2 | 3.420 | 6.240 | 30.76 | .9534 | 1.134 | .0933 |
| #3 | 3.438 | 6.268 | 30.84 | .9456 | 1.127 | .0928 |

Sample Name: CAL5 Acquired: 4/11/2016 13:50:02 Type: Cal
Method: BC04012016_P(v19) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .1158 | .1218 | .7788 | 3.550 | .4718 | 1.162 |
| Stddev | .0002 | .0005 | .0029 | .027 | .0005 | .005 |
| %RSD | .1634 | .3786 | .3705 | .7543 | .0984 | .4363 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .1160 | .1216 | .7755 | 3.531 | .4713 | 1.164 |
| #2 | .1157 | .1223 | .7805 | 3.580 | .4723 | 1.166 |
| #3 | .1156 | .1215 | .7806 | 3.538 | .4718 | 1.156 |

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .1958 | 47.48 | 8.626 | .3669 |
| Stddev | .0009 | .49 | .059 | .0025 |
| %RSD | .4712 | 1.033 | .6848 | .6935 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .1957 | 46.93 | 8.587 | .3671 |
| #2 | .1968 | 47.68 | 8.694 | .3694 |
| #3 | .1949 | 47.84 | 8.597 | .3643 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8097.3 | 56257. | 8923.0 |
| Stddev | 30.9 | 366. | 104.4 |
| %RSD | .38156 | .65026 | 1.1701 |

| | | | |
|----|--------|--------|--------|
| #1 | 8132.7 | 56600. | 8968.6 |
| #2 | 8075.6 | 56299. | 8996.8 |
| #3 | 8083.6 | 55872. | 8803.5 |

Sample Name: ICV 4237635 Acquired: 4/11/2016 13:53:57 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 125300. | 2496. | 1244. | 10150. | 1021. | 125600. |
| Stddev | 76. | 4. | . | 9. | 2. | 112. |
| %RSD | .0605 | .1792 | .0214 | .0926 | .1634 | .0891 |

| | | | | | | |
|----|---------|-------|-------|--------|-------|---------|
| #1 | 125300. | 2500. | 1244. | 10160. | 1023. | 125500. |
| #2 | 125300. | 2491. | 1245. | 10140. | 1020. | 125700. |
| #3 | 125400. | 2497. | 1244. | 10140. | 1020. | 125600. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1251. | 2495. | 5106. | 12470. | 101300. | 49580. |
| Stddev | 2. | 6. | 5. | 16. | 109. | 59. |
| %RSD | .1263 | .2292 | .0882 | .1281 | .1073 | .1184 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1253. | 2500. | 5106. | 12490. | 101300. | 49520. |
| #2 | 1250. | 2489. | 5110. | 12480. | 101300. | 49580. |
| #3 | 1252. | 2496. | 5101. | 12460. | 101100. | 49640. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: ICV 4237635 Acquired: 4/11/2016 13:53:57 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 125800. | 5174. | 125900. | 2530. | 7517. | 993.3 |
| Stddev | 173. | 6. | 203. | 5. | 11. | 5.3 |
| %RSD | .1372 | .1094 | .1613 | .1931 | .1411 | .5317 |

| | | | | | | |
|----|----------------|--------------|----------------|--------------|--------------|--------------|
| #1 | 126000. | 5181. | 126100. | 2535. | 7528. | 987.4 |
| #2 | 125900. | 5172. | 126000. | 2525. | 7506. | 997.7 |
| #3 | 125700. | 5170. | 125700. | 2529. | 7518. | 994.8 |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2439. | 2491. | 2527. | 2534. | 983.2 | 2434. |
| Stddev | 5. | 2. | 3. | 6. | 1.1 | 2. |
| %RSD | .2201 | .0778 | .1001 | .2248 | .1167 | .0693 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 2440. | 2493. | 2527. | 2536. | 982.8 | 2433. |
| #2 | 2433. | 2489. | 2530. | 2527. | 982.2 | 2433. |
| #3 | 2444. | 2490. | 2525. | 2538. | 984.4 | 2436. |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: ICV 4237635 Acquired: 4/11/2016 13:53:57 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 992.9 | 5053. | 10230. | 9780. |
| Stddev | 2.2 | 6. | 6. | 83. |
| %RSD | .2229 | .1257 | .0634 | .8448 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 990.5 | 5057. | 10230. | 9703. |
| #2 | 994.8 | 5055. | 10230. | 9867. |
| #3 | 993.5 | 5046. | 10220. | 9769. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8434.3 | 57909. | 8909.6 |
| Stddev | 20.3 | 352. | 22.6 |
| %RSD | .24095 | .60801 | .25336 |

| | | | |
|----|--------|--------|--------|
| #1 | 8411.4 | 57517. | 8883.6 |
| #2 | 8450.2 | 58009. | 8920.8 |
| #3 | 8441.3 | 58200. | 8924.4 |

Sample Name: ICB Acquired: 4/11/2016 13:57:26 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24.21 | 1.130 | -.1792 | .2600 | .1698 | -4.810 |
| Stddev | 24.25 | 1.241 | .3910 | .1787 | .1992 | 36.14 |
| %RSD | 100.2 | 109.8 | 218.2 | 68.73 | 117.3 | 751.4 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 19.93 | .5247 | -.6288 | .4028 | .1859 | -29.05 |
| #2 | 50.32 | .3075 | .0808 | .3175 | .3605 | 36.73 |
| #3 | 2.387 | 2.557 | .0106 | .0596 | -.0369 | -22.12 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0980 | -.0968 | .7840 | 1.962 | 20.35 | 47.68 |
| Stddev | .0266 | .3049 | 1.261 | 3.407 | 31.01 | 30.01 |
| %RSD | 27.09 | 315.1 | 160.9 | 173.6 | 152.4 | 62.95 |

| | | | | | | |
|----|-------|--------|-------|--------|-------|-------|
| #1 | .0962 | .2489 | .0861 | .0799 | 3.376 | 21.62 |
| #2 | .1254 | -.3272 | 2.240 | 5.895 | 56.14 | 80.50 |
| #3 | .0724 | -.2119 | .0260 | -.0887 | 1.535 | 40.91 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: ICB Acquired: 4/11/2016 13:57:26 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24.26 | 1.063 | 71.30 | .5117 | -.1607 | -.7880 |
| Stddev | 31.74 | 1.439 | 31.31 | .4787 | .8290 | .5402 |
| %RSD | 130.9 | 135.4 | 43.91 | 93.55 | 515.9 | 68.56 |
| #1 | 7.061 | .2708 | 74.83 | -.0392 | .6974 | -1.406 |
| #2 | 60.88 | 2.723 | 100.7 | .8259 | -.2223 | -.5521 |
| #3 | 4.824 | .1937 | 38.38 | .7484 | -.9572 | -.4058 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.749 | 1.122 | .5342 | -.0808 | 3.128 | 1.323 |
| Stddev | 1.887 | 1.162 | .7670 | .0448 | .836 | .199 |
| %RSD | 107.9 | 103.6 | 143.6 | 55.46 | 26.71 | 15.04 |
| #1 | .8733 | 1.474 | .1151 | -.1165 | 3.687 | 1.132 |
| #2 | .4585 | 2.067 | 1.419 | -.0305 | 3.530 | 1.529 |
| #3 | 3.915 | -.1754 | .0680 | -.0955 | 2.168 | 1.307 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: ICB Acquired: 4/11/2016 13:57:26 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1319 | 1.120 | 2.263 | -2.040 |
| Stddev | .6405 | 1.093 | 2.757 | 22.58 |
| %RSD | 485.6 | 97.60 | 121.8 | 1106. |

| | | | | |
|----|---------------|--------------|--------------|---------------|
| #1 | -.5526 | .8791 | .6852 | -27.83 |
| #2 | .7167 | 2.313 | 5.447 | 14.16 |
| #3 | .2317 | .1673 | .6582 | 7.544 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9129.0 | 61703. | 9248.4 |
| Stddev | 45.8 | 234. | 127.5 |
| %RSD | .50209 | .37851 | 1.3788 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9167.8 | 61805. | 9120.0 |
| #2 | 9140.8 | 61869. | 9375.0 |
| #3 | 9078.4 | 61436. | 9250.2 |

Sample Name: ICVL 4154763 Acquired: 4/11/2016 14:01:21 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.0 | 13.29 | 9.157 | 203.6 | 2.040 | 5039. |
| Stddev | 1.9 | 1.68 | .405 | .4 | .123 | 16. |
| %RSD | .9240 | 12.62 | 4.418 | .1983 | 6.031 | .3269 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 201.2 | 11.50 | 9.195 | 204.0 | 1.920 | 5047. |
| #2 | 200.6 | 14.82 | 9.541 | 203.6 | 2.166 | 5050. |
| #3 | 204.1 | 13.53 | 8.734 | 203.2 | 2.035 | 5020. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.085 | 50.95 | 9.986 | 24.48 | 169.6 | 4827. |
| Stddev | .068 | .12 | .233 | .49 | 3.2 | 34. |
| %RSD | 1.657 | .2280 | 2.330 | 2.012 | 1.915 | .6985 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.007 | 51.08 | 10.02 | 24.08 | 165.9 | 4843. |
| #2 | 4.123 | 50.92 | 9.739 | 25.03 | 171.2 | 4851. |
| #3 | 4.125 | 50.86 | 10.20 | 24.33 | 171.8 | 4789. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: ICVL 4154763 Acquired: 4/11/2016 14:01:21 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4962. | 16.37 | 4975. | 41.83 | 10.94 | 18.05 |
| Stddev | 34. | .05 | 15. | .50 | .95 | .23 |
| %RSD | .6866 | .3177 | .2995 | 1.190 | 8.722 | 1.264 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4923. | 16.37 | 4986. | 41.28 | 10.68 | 18.27 |
| #2 | 4972. | 16.32 | 4982. | 41.96 | 10.14 | 18.06 |
| #3 | 4989. | 16.42 | 4958. | 42.25 | 12.00 | 17.82 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.12 | 19.21 | 51.41 | 31.08 | 49.77 | 19.59 |
| Stddev | .93 | 2.16 | .33 | .23 | .34 | .17 |
| %RSD | 4.414 | 11.26 | .6347 | .7563 | .6876 | .8544 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 22.19 | 19.97 | 51.05 | 30.82 | 49.92 | 19.45 |
| #2 | 20.67 | 20.89 | 51.69 | 31.29 | 49.38 | 19.77 |
| #3 | 20.50 | 16.77 | 51.47 | 31.13 | 50.02 | 19.54 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: ICVL 4154763 Acquired: 4/11/2016 14:01:21 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.90 | 20.94 | 21.01 | F 5.917 |
| Stddev | .47 | .26 | .32 | 6.155 |
| %RSD | .9654 | 1.244 | 1.546 | 104.0 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 48.43 | 20.65 | 20.64 | 3.889 |
| #2 | 49.38 | 21.15 | 21.25 | 12.83 |
| #3 | 48.91 | 21.01 | 21.15 | 1.032 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9020.1 | 61112. | 9136.8 |
| Stddev | 22.6 | 384. | 93.7 |
| %RSD | .25060 | .62839 | 1.0251 |

| | | | |
|----|--------|--------|--------|
| #1 | 9011.2 | 60708. | 9182.5 |
| #2 | 9003.3 | 61156. | 9029.1 |
| #3 | 9045.8 | 61472. | 9198.8 |

Sample Name: z Acquired: 4/11/2016 14:05:10 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 491700. | 2.899 | -1.184 | -1.933 | -.1973 | 485200. |
| Stddev | . | .000 | .000 | .000 | .0000 | . |
| %RSD | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 |

| | | | | | | |
|----|----------------|--------------|---------------|---------------|---------------|----------------|
| #1 | 491700. | 2.899 | -1.184 | -1.933 | -.1973 | 485200. |
|----|----------------|--------------|---------------|---------------|---------------|----------------|

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9126 | .1193 | -.3796 | -16.93 | 191900. | 91.61 |
| Stddev | .0000 | .0000 | .0000 | .00 | . | .00 |
| %RSD | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 |

| | | | | | | |
|----|---------------|--------------|---------------|---------------|----------------|--------------|
| #1 | -.9126 | .1193 | -.3796 | -16.93 | 191900. | 91.61 |
|----|---------------|--------------|---------------|---------------|----------------|--------------|

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 499400. | -.1805 | 13.39 | -1.816 | -9.008 | -.4733 |
| Stddev | . | .0000 | .00 | .000 | .000 | .0000 |
| %RSD | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 |

| | | | | | | |
|----|----------------|---------------|--------------|---------------|---------------|---------------|
| #1 | 499400. | -.1805 | 13.39 | -1.816 | -9.008 | -.4733 |
|----|----------------|---------------|--------------|---------------|---------------|---------------|

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: z Acquired: 4/11/2016 14:05:10 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.923 | -5.500 | -1.445 | 9.178 | -3.679 | 1.633 |
| Stddev | .000 | .000 | .000 | .000 | .000 | .000 |
| %RSD | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 |
| #1 | -4.923 | -5.500 | -1.445 | 9.178 | -3.679 | 1.633 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | |
|------------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -1.1315 | -.9358 | -5.318 | 31.35 |
| Stddev | .0000 | .0000 | .000 | .00 |
| %RSD | .0000 | .0000 | .0000 | .0000 |
| #1 | -1.1315 | -.9358 | -5.318 | 31.35 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8129.5 | 55485. | 8922.6 |
| Stddev | .0 | . | .0 |
| %RSD | .00000 | .00000 | .00000 |
| #1 | 8129.5 | 55485. | 8922.6 |

Sample Name: ICSA 4305572 Acquired: 4/11/2016 14:10:01 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 480600. | -1.933 | -1.458 | -2.038 | -.0151 | 475600. |
| Stddev | 539. | 1.905 | .337 | .400 | .0732 | 1520. |
| %RSD | .1122 | 98.52 | 23.08 | 19.63 | 485.2 | .3195 |

| | | | | | | |
|----|---------|--------|--------|--------|--------|---------|
| #1 | 480000. | -2.855 | -1.304 | -1.750 | -.0733 | 475700. |
| #2 | 480700. | -3.201 | -1.226 | -1.869 | .0670 | 474100. |
| #3 | 481100. | .2570 | -1.844 | -2.495 | -.0390 | 477200. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4239 | -.1958 | -.1999 | .0641 | 187400. | 113.5 |
| Stddev | .0442 | .1614 | .4859 | .2128 | 556. | 23.2 |
| %RSD | 10.42 | 82.42 | 243.1 | 332.0 | .2969 | 20.40 |

| | | | | | | |
|----|--------|--------|--------|--------|---------|-------|
| #1 | -.3882 | -.0602 | -.7357 | .2001 | 187900. | 89.15 |
| #2 | -.4733 | -.3744 | .2123 | .1733 | 187400. | 116.2 |
| #3 | -.4101 | -.1530 | -.0763 | -.1811 | 186800. | 135.2 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: ICSA 4305572 Acquired: 4/11/2016 14:10:01 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 480400. | -3.138 | 19.30 | -2.395 | -1.796 | -.9692 |
| Stddev | 2682. | .097 | 17.02 | .768 | 2.103 | 2.069 |
| %RSD | .5582 | 3.092 | 88.16 | 32.06 | 117.1 | 213.5 |

| | | | | | | |
|----|----------------|---------------|--------------|---------------|---------------|---------------|
| #1 | 477400. | -3.036 | .0367 | -2.738 | -.7246 | -2.029 |
| #2 | 481300. | -3.150 | 25.60 | -1.516 | -.4442 | 1.415 |
| #3 | 482600. | -3.229 | 32.28 | -2.933 | -4.219 | -2.293 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1358 | -1.806 | -1.411 | 8.978 | -3.189 | .6310 |
| Stddev | 2.811 | 1.729 | .215 | .147 | .330 | .4517 |
| %RSD | 2070. | 95.76 | 15.21 | 1.636 | 10.36 | 71.59 |

| | | | | | | |
|----|---------------|---------------|---------------|--------------|---------------|--------------|
| #1 | -3.072 | -.8085 | -1.659 | 8.845 | -2.815 | .6176 |
| #2 | 2.529 | -.8067 | -1.304 | 9.136 | -3.311 | .1861 |
| #3 | .1354 | -3.803 | -1.272 | 8.955 | -3.440 | 1.089 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: ICSA 4305572 Acquired: 4/11/2016 14:10:01 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .6156 | -.9432 | -5.098 | 25.26 |
| Stddev | .8568 | .0630 | .153 | 7.23 |
| %RSD | 139.2 | 6.683 | 2.992 | 28.64 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | .4955 | -.9527 | -5.058 | 17.28 |
| #2 | -.1749 | -.8759 | -5.267 | 27.10 |
| #3 | 1.526 | -1.001 | -4.970 | 31.39 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8195.4 | 56369. | 8943.4 |
| Stddev | 21.3 | 369. | 58.4 |
| %RSD | .26051 | .65459 | .65275 |

| | | | |
|----|--------|--------|--------|
| #1 | 8176.0 | 55982. | 8891.2 |
| #2 | 8192.0 | 56411. | 9006.5 |
| #3 | 8218.3 | 56716. | 8932.6 |

Sample Name: ICSAB 4305680 Acquired: 4/11/2016 14:14:03 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 495900. | 94.03 | 100.6 | 98.72 | 96.70 | 488200. |
| Stddev | 976. | 2.24 | .4 | .17 | .12 | 1519. |
| %RSD | .1967 | 2.383 | .3585 | .1758 | .1264 | .3112 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 495300. | 91.45 | 100.2 | 98.54 | 96.66 | 486500. |
| #2 | 495400. | 95.52 | 100.9 | 98.73 | 96.60 | 488400. |
| #3 | 497100. | 95.11 | 100.7 | 98.88 | 96.83 | 489500. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 94.09 | 95.84 | 97.08 | 102.7 | 193200. | 10180. |
| Stddev | .67 | .67 | .68 | 1.2 | 527. | 26. |
| %RSD | .7080 | .6954 | .6974 | 1.157 | .2725 | .2574 |

| | | | | | | |
|----|-------|-------|-------|-------|---------|--------|
| #1 | 93.84 | 95.17 | 96.36 | 101.7 | 192900. | 10190. |
| #2 | 94.85 | 96.50 | 97.70 | 104.0 | 193000. | 10150. |
| #3 | 93.59 | 95.83 | 97.16 | 102.4 | 193800. | 10210. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: ICSAB 4305680 Acquired: 4/11/2016 14:14:03 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 498800. | 97.09 | 10290. | 93.12 | 91.98 | 97.71 |
| Stddev | 3687. | .98 | 33. | .59 | 2.23 | .85 |
| %RSD | .7391 | 1.004 | .3178 | .6374 | 2.422 | .8695 |

| | | | | | | |
|----|---------|-------|--------|-------|-------|-------|
| #1 | 496600. | 96.02 | 10260. | 92.64 | 92.30 | 98.11 |
| #2 | 496800. | 97.32 | 10280. | 93.78 | 89.60 | 96.73 |
| #3 | 503100. | 97.93 | 10330. | 92.93 | 94.03 | 98.29 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.30 | 92.94 | 96.98 | 103.8 | 96.65 | 94.15 |
| Stddev | 4.19 | 2.25 | .73 | .2 | .39 | .57 |
| %RSD | 4.303 | 2.416 | .7567 | .1600 | .4037 | .6073 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 95.80 | 95.08 | 96.52 | 103.8 | 97.05 | 93.55 |
| #2 | 102.0 | 90.60 | 96.61 | 103.7 | 96.27 | 94.23 |
| #3 | 94.07 | 93.14 | 97.83 | 104.0 | 96.64 | 94.69 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: ICSAB 4305680 Acquired: 4/11/2016 14:14:03 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 95.23 | 97.88 | 96.07 | 114.8 |
| Stddev | 2.03 | .28 | .90 | 5.7 |
| %RSD | 2.129 | .2838 | .9339 | 4.959 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 97.52 | 97.56 | 95.06 | 108.2 |
| #2 | 93.66 | 98.00 | 96.39 | 117.7 |
| #3 | 94.51 | 98.07 | 96.77 | 118.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8109.8 | 55546. | 8885.1 |
| Stddev | 18.0 | 295. | 28.4 |
| %RSD | .22145 | .53044 | .32004 |

| | | | |
|----|--------|--------|--------|
| #1 | 8129.8 | 55723. | 8860.9 |
| #2 | 8104.3 | 55710. | 8916.4 |
| #3 | 8095.2 | 55206. | 8878.0 |

Sample Name: int-a 4154117 Acquired: 4/11/2016 14:17:58 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 368.1 | -.1497 | -1.728 | -.0367 | -.3210 | 2.258 |
| Stddev | 558.0 | 1.416 | .364 | .1147 | .1279 | 2.590 |
| %RSD | 151.6 | 945.9 | 21.07 | 312.7 | 39.84 | 114.7 |

| | | | | | | |
|----|-------|--------|--------|--------|--------|--------|
| #1 | 1012. | 1.367 | -1.313 | .0889 | -.1735 | 4.499 |
| #2 | 46.19 | -.3792 | -1.879 | -.0631 | -.4014 | 2.853 |
| #3 | 45.64 | -1.437 | -1.993 | -.1358 | -.3881 | -.5777 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5367 | 10070. | -2.444 | 2.886 | 23.70 | 33.11 |
| Stddev | .0791 | 38. | .224 | .191 | 8.08 | 21.06 |
| %RSD | 14.73 | .3746 | 9.167 | 6.627 | 34.10 | 63.60 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | -.4687 | 10090. | -2.702 | 2.731 | 17.32 | 55.15 |
| #2 | -.6235 | 10100. | -2.301 | 2.827 | 21.00 | 31.00 |
| #3 | -.5180 | 10030. | -2.330 | 3.100 | 32.79 | 13.19 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: int-a 4154117 Acquired: 4/11/2016 14:17:58 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 14.92 | -.0875 | 124.8 | -2.772 | -.7686 | -1.926 |
| Stddev | 4.86 | .0804 | 12.3 | .760 | 1.404 | 2.295 |
| %RSD | 32.56 | 91.91 | 9.832 | 27.40 | 182.7 | 119.1 |
| #1 | 20.02 | -.0579 | 138.7 | -3.541 | -2.344 | -4.523 |
| #2 | 14.41 | -.0260 | 120.1 | -2.022 | -.3145 | -.1723 |
| #3 | 10.34 | -.1785 | 115.6 | -2.753 | .3526 | -1.083 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.503 | .4670 | 4932. | -1.506 | 10.81 | .1461 |
| Stddev | 2.550 | .5107 | 16. | .100 | .49 | .3712 |
| %RSD | 101.9 | 109.4 | .3191 | 6.622 | 4.545 | 254.0 |
| #1 | .4301 | .7449 | 4916. | -1.430 | 10.98 | -.2760 |
| #2 | 1.728 | -.1224 | 4948. | -1.469 | 11.19 | .2933 |
| #3 | 5.350 | .7784 | 4933. | -1.619 | 10.25 | .4212 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: int-a 4154117 Acquired: 4/11/2016 14:17:58 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9653. | 9650. | -.4705 | 10470. |
| Stddev | 50. | 91. | .4552 | 279. |
| %RSD | .5189 | .9390 | 96.76 | 2.665 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | 9667. | 9739. | -.9017 | 10210. |
| #2 | 9694. | 9558. | -.5152 | 10430. |
| #3 | 9597. | 9654. | .0055 | 10770. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9057.6 | 61566. | 9168.5 |
| Stddev | 16.9 | 326. | 89.8 |
| %RSD | .18635 | .52989 | .97941 |

| | | | |
|----|--------|--------|--------|
| #1 | 9038.2 | 61659. | 9140.0 |
| #2 | 9065.7 | 61204. | 9096.4 |
| #3 | 9069.0 | 61836. | 9269.1 |

Sample Name: int-b 4154119 Acquired: 4/11/2016 14:21:56 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.04 | -6015 | -5725 | -4469 | .0717 | -106.8 |
| Stddev | 7.55 | .9234 | .2891 | .0955 | .1384 | 4.4 |
| %RSD | 41.88 | 153.5 | 50.50 | 21.36 | 193.1 | 4.148 |
| #1 | 22.35 | -1.626 | -.6495 | -.5135 | .2176 | -104.3 |
| #2 | 22.45 | .1652 | -.2527 | -.4897 | -.0577 | -104.2 |
| #3 | 9.315 | -.3431 | -.8152 | -.3375 | .0550 | -112.0 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2916 | -.9608 | 9959. | 9426. | -42.53 | 10.52 |
| Stddev | .1932 | 1.363 | 47. | 16. | 13.36 | 32.19 |
| %RSD | 66.26 | 141.9 | .4767 | .1684 | 31.42 | 306.1 |
| #1 | .1042 | .5390 | 9982. | 9441. | -36.15 | -22.30 |
| #2 | .4901 | -1.298 | 9989. | 9428. | -33.55 | 42.04 |
| #3 | .2803 | -2.124 | 9904. | 9409. | -57.89 | 11.80 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: int-b 4154119 Acquired: 4/11/2016 14:21:56 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 35.98 | 9969. | 33.94 | 10200. | -3.322 | -6.572 |
| Stddev | 3.89 | 46. | 7.88 | 42. | 1.309 | .901 |
| %RSD | 10.81 | .4582 | 23.21 | .4104 | 39.40 | 13.70 |

| | | | | | | |
|----|-------|--------|-------|--------|--------|--------|
| #1 | 37.23 | 10010. | 42.11 | 10220. | -3.307 | -5.541 |
| #2 | 39.10 | 9979. | 33.32 | 10230. | -2.021 | -6.967 |
| #3 | 31.62 | 9920. | 26.39 | 10150. | -4.639 | -7.208 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.811 | -2.486 | -.0389 | .0888 | 6.815 | 4695. |
| Stddev | 1.754 | 3.548 | .9837 | .1529 | .630 | 19. |
| %RSD | 96.81 | 142.7 | 2528. | 172.2 | 9.246 | .4095 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|-------|
| #1 | 2.825 | -6.483 | .6163 | .2276 | 6.838 | 4712. |
| #2 | -.2134 | .2923 | .4370 | -.0750 | 7.434 | 4700. |
| #3 | 2.823 | -1.269 | -1.170 | .1138 | 6.174 | 4674. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: int-b 4154119 Acquired: 4/11/2016 14:21:56 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.782 | 3.499 | 9744. | 39.78 |
| Stddev | 1.487 | 1.720 | 57. | 10.28 |
| %RSD | 21.93 | 49.17 | .5804 | 25.84 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 8.315 | 3.991 | 9775. | 28.19 |
| #2 | 6.685 | 4.919 | 9777. | 43.36 |
| #3 | 5.345 | 1.586 | 9678. | 47.80 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9007.1 | 62282. | 9398.9 |
| Stddev | 11.3 | 343. | 90.3 |
| %RSD | .12551 | .55066 | .96029 |

| | | | |
|----|--------|--------|--------|
| #1 | 9002.7 | 62065. | 9353.5 |
| #2 | 8998.6 | 62105. | 9340.5 |
| #3 | 9019.9 | 62678. | 9502.9 |

Sample Name: CCV Acquired: 4/11/2016 14:25:57 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 122900. | 2462. | 1226. | 10030. | 999.9 | 123400. |
| Stddev | 209. | 3. | 1. | 8. | 1.6 | 378. |
| %RSD | .1697 | .1315 | .0501 | .0772 | .1620 | .3063 |

| | | | | | | |
|----|---------|-------|-------|--------|-------|---------|
| #1 | 122900. | 2465. | 1227. | 10040. | 999.9 | 123000. |
| #2 | 122700. | 2459. | 1226. | 10040. | 998.2 | 123500. |
| #3 | 123100. | 2463. | 1226. | 10030. | 1001. | 123700. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1237. | 2467. | 5012. | 12340. | 99610. | 48740. |
| Stddev | 1. | 3. | 14. | 20. | 187. | 185. |
| %RSD | .0936 | .1089 | .2718 | .1657 | .1875 | .3789 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1236. | 2466. | 4997. | 12370. | 99400. | 48630. |
| #2 | 1238. | 2470. | 5013. | 12340. | 99700. | 48640. |
| #3 | 1238. | 2466. | 5024. | 12330. | 99740. | 48950. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 14:25:57 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 123500. | 5084. | 124100. | 2502. | 7419. | 984.0 |
| Stddev | 488. | 11. | 326. | 3. | 7. | 2.5 |
| %RSD | .3953 | .2176 | .2627 | .1310 | .0944 | .2573 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 123000. | 5071. | 124400. | 2504. | 7414. | 985.5 |
| #2 | 123700. | 5089. | 123800. | 2503. | 7417. | 985.4 |
| #3 | 123900. | 5091. | 124200. | 2498. | 7427. | 981.1 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2415. | 2466. | 2488. | 2497. | 970.1 | 2403. |
| Stddev | 3. | 1. | 2. | 8. | 1.4 | 3. |
| %RSD | .1134 | .0435 | .0802 | .3087 | .1404 | .1390 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2412. | 2467. | 2487. | 2490. | 971.2 | 2405. |
| #2 | 2416. | 2465. | 2491. | 2496. | 970.4 | 2404. |
| #3 | 2418. | 2466. | 2488. | 2505. | 968.6 | 2399. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 14:25:57 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 979.6 | 4987. | 10040. | 9811. |
| Stddev | 1.7 | 7. | 74. | 84. |
| %RSD | .1733 | .1386 | .7406 | .8521 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 981.6 | 4995. | 9950. | 9809. |
| #2 | 978.6 | 4984. | 10090. | 9896. |
| #3 | 978.8 | 4983. | 10070. | 9729. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8535.4 | 58866. | 9196.2 |
| Stddev | 16.5 | 308. | 100.2 |
| %RSD | .19333 | .52344 | 1.0898 |

| | | | |
|----|--------|--------|--------|
| #1 | 8547.0 | 59108. | 9202.5 |
| #2 | 8542.6 | 58970. | 9293.1 |
| #3 | 8516.5 | 58519. | 9093.0 |

Sample Name: CCB Acquired: 4/11/2016 14:29:29 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.26 | .9309 | -.3877 | 2.330 | -.0125 | -22.38 |
| Stddev | 7.14 | 1.221 | .1681 | 3.497 | .0334 | 5.72 |
| %RSD | 63.38 | 131.2 | 43.37 | 150.1 | 266.9 | 25.54 |
| #1 | 18.51 | 2.056 | -.2044 | 6.355 | -.0484 | -15.79 |
| #2 | 11.02 | 1.105 | -.4239 | .5832 | .0176 | -26.05 |
| #3 | 4.246 | -.3678 | -.5347 | .0501 | -.0067 | -25.29 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .3836 | .5250 | -.1715 | 1.668 | 2.321 | 5.653 |
| Stddev | .4015 | .7613 | .1152 | .160 | 2.880 | 15.24 |
| %RSD | 104.7 | 145.0 | 67.19 | 9.599 | 124.0 | 269.5 |
| #1 | .8265 | 1.356 | -.1150 | 1.837 | 2.790 | 15.06 |
| #2 | .2807 | .3586 | -.0954 | 1.518 | 4.938 | -11.93 |
| #3 | .0436 | -.1394 | -.3040 | 1.651 | -.7637 | 13.83 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 14:29:29 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.598 | .2716 | 36.04 | 1.065 | 2.868 | -.4387 |
| Stddev | 5.339 | .1946 | 12.60 | 1.117 | 1.652 | 1.901 |
| %RSD | 148.4 | 71.66 | 34.96 | 104.9 | 57.60 | 433.4 |

| | | | | | | |
|----|--------|-------|-------|--------|-------|--------|
| #1 | 8.483 | .4914 | 50.46 | 2.171 | 4.698 | 1.561 |
| #2 | 4.413 | .2024 | 30.52 | 1.085 | 2.420 | -.6547 |
| #3 | -2.101 | .1211 | 27.14 | -.0620 | 1.487 | -2.223 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.353 | 1.203 | .0710 | .5107 | 2.030 | 1.999 |
| Stddev | 1.972 | 2.401 | .1546 | .9360 | .800 | .673 |
| %RSD | 145.8 | 199.6 | 217.9 | 183.3 | 39.40 | 33.68 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|-------|
| #1 | 1.215 | .2239 | .1331 | 1.584 | 2.840 | 2.773 |
| #2 | -.5470 | -.5538 | .1848 | .0873 | 2.007 | 1.543 |
| #3 | 3.390 | 3.939 | -.1051 | -.1389 | 1.241 | 1.683 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 14:29:29 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .3119 | .2856 | .6182 | 2.812 |
| Stddev | 1.094 | .0571 | .1524 | 3.808 |
| %RSD | 350.7 | 19.98 | 24.65 | 135.4 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | 1.427 | .2747 | .7893 | 4.980 |
| #2 | .2690 | .3474 | .4970 | 5.042 |
| #3 | -.7599 | .2348 | .5684 | -1.585 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9079.6 | 61210. | 9085.4 |
| Stddev | 49.0 | 241. | 153.4 |
| %RSD | .53921 | .39387 | 1.6888 |

| | | | |
|----|--------|--------|--------|
| #1 | 9133.6 | 61292. | 9061.2 |
| #2 | 9038.1 | 61398. | 9249.5 |
| #3 | 9067.2 | 60938. | 8945.5 |

Sample Name: CCVL Acquired: 4/11/2016 14:33:24 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 207.9 | 13.03 | 9.200 | 203.4 | 2.086 | 5018. |
| Stddev | 12.1 | .42 | .329 | 1.2 | .172 | 13. |
| %RSD | 5.813 | 3.230 | 3.577 | .5743 | 8.244 | .2635 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 214.1 | 13.15 | 9.573 | 202.8 | 2.283 | 5009. |
| #2 | 215.6 | 13.37 | 9.076 | 204.8 | 1.962 | 5033. |
| #3 | 194.0 | 12.56 | 8.951 | 202.7 | 2.014 | 5012. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.062 | 51.26 | 10.15 | 25.83 | 163.7 | 4857. |
| Stddev | .065 | .29 | .36 | .33 | 8.3 | 35. |
| %RSD | 1.602 | .5717 | 3.527 | 1.294 | 5.073 | .7185 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.007 | 51.23 | 10.27 | 25.56 | 159.9 | 4820. |
| #2 | 4.134 | 51.56 | 9.752 | 26.20 | 173.2 | 4864. |
| #3 | 4.045 | 50.98 | 10.44 | 25.72 | 157.9 | 4888. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 14:33:24 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4933. | 16.43 | 4958. | 42.06 | 10.60 | 17.29 |
| Stddev | 35. | .06 | 17. | .49 | .76 | 1.35 |
| %RSD | .7125 | .3533 | .3480 | 1.169 | 7.198 | 7.800 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4894. | 16.39 | 4954. | 42.32 | 9.720 | 18.66 |
| #2 | 4946. | 16.42 | 4943. | 42.37 | 11.03 | 15.96 |
| #3 | 4960. | 16.50 | 4976. | 41.50 | 11.06 | 17.25 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.64 | 19.44 | 50.68 | 31.11 | 48.75 | 19.80 |
| Stddev | 3.31 | 4.59 | .18 | .17 | .34 | .21 |
| %RSD | 16.02 | 23.62 | .3492 | .5560 | .6995 | 1.080 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 23.53 | 22.37 | 50.49 | 31.27 | 48.40 | 19.61 |
| #2 | 21.37 | 14.15 | 50.70 | 30.93 | 48.76 | 19.75 |
| #3 | 17.04 | 21.79 | 50.85 | 31.13 | 49.09 | 20.03 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 14:33:24 Type: QC
Method: BC04012016_P(v19) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.66 | 20.93 | 20.98 | F 5.900 |
| Stddev | .46 | .15 | .27 | 12.43 |
| %RSD | .9350 | .7091 | 1.297 | 210.7 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 48.57 | 20.78 | 20.72 | -5.050 |
| #2 | 48.26 | 20.93 | 20.95 | 19.42 |
| #3 | 49.16 | 21.08 | 21.27 | 3.332 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8997.5 | 61397. | 9183.3 |
| Stddev | 30.5 | 88. | 44.6 |
| %RSD | .33924 | .14252 | .48565 |

| | | | |
|----|--------|--------|--------|
| #1 | 8973.2 | 61382. | 9184.5 |
| #2 | 8987.5 | 61318. | 9227.2 |
| #3 | 9031.8 | 61491. | 9138.0 |

Sample Name: pds460-111523-A-1-C Acquired: 4/11/2016 14:40:27 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 76870. | 1893. | 49.90 | 2793. | 53.75 | 45930. |
| Stddev | 78. | 4. | .04 | 2. | .10 | 212. |
| %RSD | .1014 | .2247 | .0887 | .0727 | .1878 | .4617 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 76960. | 1889. | 49.90 | 2794. | 53.66 | 46150. |
| #2 | 76810. | 1893. | 49.86 | 2794. | 53.71 | 45900. |
| #3 | 76840. | 1897. | 49.95 | 2791. | 53.86 | 45730. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 47.72 | 548.2 | 399.9 | 471.2 | 140800. | 38920. |
| Stddev | .13 | .6 | .6 | 2.8 | 455. | 28. |
| %RSD | .2738 | .1038 | .1430 | .5993 | .3235 | .0721 |

| | | | | | | |
|----|-------|-------|-------|-------|---------|--------|
| #1 | 47.87 | 548.8 | 399.5 | 468.0 | 141300. | 38950. |
| #2 | 47.64 | 547.9 | 400.5 | 472.8 | 140600. | 38900. |
| #3 | 47.65 | 547.8 | 399.6 | 472.9 | 140400. | 38910. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds460-111523-A-1-C Acquired: 4/11/2016 14:40:27 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 58480. | 2966. | 19980. | 634.5 | 979.1 | 466.9 |
| Stddev | 153. | 7. | 20. | 1.4 | 3.4 | 2.3 |
| %RSD | .2618 | .2304 | .1003 | .2157 | .3441 | .4824 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|--------------|--------------|
| #1 | 58620. | 2974. | 20000. | 633.0 | 981.0 | 469.3 |
| #2 | 58500. | 2964. | 19980. | 634.7 | 975.3 | 464.8 |
| #3 | 58310. | 2960. | 19960. | 635.7 | 981.2 | 466.8 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1837. | 1934. | 744.6 | 1197. | 477.1 | 466.7 |
| Stddev | 2. | 5. | 2.0 | 2. | .6 | 1.4 |
| %RSD | .0993 | .2630 | .2724 | .2072 | .1183 | .3083 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 1839. | 1938. | 746.8 | 1195. | 476.6 | 467.9 |
| #2 | 1837. | 1937. | 742.7 | 1197. | 477.7 | 467.1 |
| #3 | 1835. | 1928. | 744.3 | 1200. | 477.2 | 465.1 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds460-111523-A-1-C Acquired: 4/11/2016 14:40:27 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 509.9 | 574.5 | 7772. | 1297. |
| Stddev | 2.2 | 1.0 | 5. | 15. |
| %RSD | .4338 | .1812 | .0594 | 1.137 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 512.3 | 575.6 | 7776. | 1280. |
| #2 | 509.5 | 573.5 | 7767. | 1302. |
| #3 | 507.9 | 574.4 | 7771. | 1308. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8919.5 | 60740. | 9293.8 |
| Stddev | 14.8 | 610. | 99.5 |
| %RSD | .16543 | 1.0045 | 1.0709 |

| | | | |
|----|--------|--------|--------|
| #1 | 8902.4 | 60074. | 9245.0 |
| #2 | 8928.7 | 60877. | 9228.1 |
| #3 | 8927.3 | 61271. | 9408.3 |

Sample Name: 460-111523-A-1-E MS Acquired: 4/11/2016 14:43:54 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 83850. | F 916.5 | F 20.71 | F 1926. | F 28.29 | F 37120. |
| Stddev | 254. | 6.0 | .35 | 1. | .25 | 181. |
| %RSD | .3027 | .6552 | 1.677 | .0664 | .8975 | .4886 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 84140. | 914.5 | 20.97 | 1925. | 28.05 | 37280. |
| #2 | 83710. | 923.3 | 20.84 | 1925. | 28.26 | 37160. |
| #3 | 83690. | 911.8 | 20.31 | 1927. | 28.55 | 36920. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail |
| High Limit | 200.0 | 15.00 | 10.00 | 200.0 | 2.000 | 5000. |
| Low Limit | -200.0 | -15.00 | -10.00 | -200.0 | -2.000 | -5000. |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 23.04 | F 301.6 | F 307.3 | F 329.6 | F 144200. | F 30200. |
| Stddev | .12 | 2.5 | 2.2 | .9 | 627. | 55. |
| %RSD | .5017 | .8218 | .7134 | .2629 | .4349 | .1807 |

| | | | | | | |
|----|-------|-------|-------|-------|---------|--------|
| #1 | 22.91 | 300.5 | 309.0 | 328.6 | 144900. | 30260. |
| #2 | 23.11 | 304.4 | 308.1 | 329.9 | 144200. | 30190. |
| #3 | 23.10 | 299.8 | 304.9 | 330.2 | 143600. | 30150. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail |
| High Limit | 4.000 | 50.00 | 10.00 | 25.00 | 150.0 | 5000. |
| Low Limit | -4.000 | -50.00 | -10.00 | -25.00 | -150.0 | -5000. |

Sample Name: 460-111523-A-1-E MS Acquired: 4/11/2016 14:43:54 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 48740. | F 2798. | F 9934. | F 384.5 | F 728.6 | F 102.7 |
| Stddev | 277. | 11. | 26. | 3.3 | 3.2 | 1.1 |
| %RSD | .5686 | .4093 | .2617 | .8495 | .4342 | 1.092 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 48990. | 2808. | 9961. | 385.4 | 728.8 | 101.6 |
| #2 | 48800. | 2801. | 9929. | 387.2 | 731.6 | 102.8 |
| #3 | 48440. | 2785. | 9910. | 380.9 | 725.3 | 103.8 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail |
| High Limit | 5000. | 15.00 | 5000. | 40.00 | 10.00 | 20.00 |
| Low Limit | -5000. | -15.00 | -5000. | -40.00 | -10.00 | -20.00 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 886.2 | F 940.7 | F 513.1 | F 953.0 | F 223.0 | F 226.6 |
| Stddev | 5.5 | 2.0 | 1.5 | 5.3 | 1.6 | 1.5 |
| %RSD | .6225 | .2129 | .2866 | .5518 | .7034 | .6579 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 880.5 | 939.6 | 514.8 | 958.8 | 221.2 | 224.9 |
| #2 | 886.5 | 943.1 | 512.4 | 951.9 | 223.8 | 227.5 |
| #3 | 891.5 | 939.6 | 512.1 | 948.5 | 224.1 | 227.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail |
| High Limit | 20.00 | 20.00 | 50.00 | 30.00 | 50.00 | 20.00 |
| Low Limit | -20.00 | -20.00 | -50.00 | -30.00 | -50.00 | -20.00 |

Sample Name: 460-111523-A-1-E MS Acquired: 4/11/2016 14:43:54 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|----------------|----------------|----------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | F 240.1 | F 328.7 | F 7807. | 1471. |
| Stddev | 1.0 | .1 | 19. | 5. |
| %RSD | .4035 | .0420 | .2446 | .3214 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 239.2 | 328.5 | 7820. | 1473. |
| #2 | 241.1 | 328.8 | 7816. | 1465. |
| #3 | 239.8 | 328.7 | 7785. | 1474. |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Fail | Chk Fail | Chk Fail | None |
| High Limit | 50.00 | 20.00 | 20.00 | |
| Low Limit | -50.00 | -20.00 | -20.00 | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8981.2 | 60838. | 9204.1 |
| Stddev | 41.9 | 636. | 160.0 |
| %RSD | .46651 | 1.0455 | 1.7387 |

| | | | |
|----|--------|--------|--------|
| #1 | 8942.5 | 60195. | 9030.4 |
| #2 | 8975.4 | 60851. | 9236.2 |
| #3 | 9025.7 | 61467. | 9345.6 |

Sample Name: 460-111523-A-1-D DU Acquired: 4/11/2016 14:47:30 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 76490. | F 17.34 | F -1.863 | F 938.5 | F 3.610 | F 25770. |
| Stddev | 181. | 1.65 | .421 | 2.0 | .097 | 167. |
| %RSD | .2359 | 9.521 | 22.59 | .2092 | 2.679 | .6466 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 76290. | 18.58 | -1.520 | 939.2 | 3.552 | 25780. |
| #2 | 76540. | 15.47 | -2.333 | 940.0 | 3.722 | 25930. |
| #3 | 76640. | 17.97 | -1.737 | 936.3 | 3.557 | 25590. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail |
| Value | 2000. | 2000. | 50.00 | 2000. | 50.00 | 20000. |
| Range | 20.00% | -20.00% | -20.00% | -20.00% | -20.00% | 20.00% |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F -.1264 | F 67.05 | 196.9 | 217.8 | F 137300. | 21760. |
| Stddev | .0905 | .29 | 1.3 | 1.0 | 681. | 66. |
| %RSD | 71.64 | .4324 | .6853 | .4689 | .4964 | .3013 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|--------|
| #1 | -.0492 | 66.81 | 196.9 | 219.0 | 137500. | 21690. |
| #2 | -.1038 | 67.37 | 198.2 | 217.1 | 137800. | 21780. |
| #3 | -.2260 | 66.96 | 195.5 | 217.4 | 136500. | 21820. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Fail | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| Value | 50.00 | 500.0 | | | 1000. | |
| Range | -20.00% | -20.00% | | | 20.00% | |

Sample Name: 460-111523-A-1-D DU Acquired: 4/11/2016 14:47:30 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 37700. | F 2405. | F 586.1 | F 142.1 | 501.8 | F 4.633 |
| Stddev | 198. | 9. | 5.6 | .5 | 2.3 | 1.120 |
| %RSD | .5264 | .3562 | .9620 | .3360 | .4581 | 24.17 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 37670. | 2406. | 592.5 | 142.5 | 500.9 | 5.665 |
| #2 | 37910. | 2413. | 583.8 | 142.3 | 500.1 | 4.790 |
| #3 | 37510. | 2396. | 581.9 | 141.6 | 504.4 | 3.442 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Pass | Chk Fail |
| Value | 20000. | 500.0 | 20000. | 500.0 | | 500.0 |
| Range | 20.00% | 20.00% | -20.00% | -20.00% | | -20.00% |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 5.066 | F 2.023 | F 269.5 | F 685.7 | F -.4368 | F 6.892 |
| Stddev | 2.192 | 2.987 | 1.1 | 3.1 | .7042 | .338 |
| %RSD | 43.27 | 147.6 | .4119 | .4589 | 161.2 | 4.909 |

| | | | | | | |
|----|-------|--------|-------|-------|--------|-------|
| #1 | 6.875 | 4.469 | 270.3 | 686.7 | -1.167 | 6.507 |
| #2 | 2.628 | 2.907 | 270.0 | 688.2 | -.3824 | 7.141 |
| #3 | 5.694 | -1.306 | 268.2 | 682.2 | .2385 | 7.028 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail | Chk Fail |
| Value | 2000. | 2000. | 500.0 | 500.0 | 500.0 | 500.0 |
| Range | -20.00% | -20.00% | -20.00% | 20.00% | -20.00% | -20.00% |

Sample Name: 460-111523-A-1-D DU Acquired: 4/11/2016 14:47:30 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|----------------|----------------|----------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | F 22.28 | F 92.13 | F 7456. | 1242. |
| Stddev | .38 | .44 | 12. | 17. |
| %RSD | 1.711 | .4814 | .1567 | 1.398 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 22.41 | 92.40 | 7461. | 1255. |
| #2 | 21.86 | 91.62 | 7465. | 1223. |
| #3 | 22.59 | 92.37 | 7443. | 1250. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Fail | Chk Fail | Chk Fail | None |
| Value | 500.0 | 500.0 | 500.0 | |
| Range | -20.00% | -20.00% | 20.00% | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9064.6 | 61600. | 9422.5 |
| Stddev | 30.0 | 489. | 128.7 |
| %RSD | .33052 | .79401 | 1.3658 |

| | | | |
|----|--------|--------|--------|
| #1 | 9051.2 | 61335. | 9548.0 |
| #2 | 9043.7 | 61301. | 9290.9 |
| #3 | 9098.9 | 62164. | 9428.6 |

Sample Name: MB 460-361472/1-A@2 Acquired: 4/11/2016 14:58:40 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.12 | -2.043 | -.3940 | .2179 | -.0018 | -15.02 |
| Stddev | 12.72 | .888 | .4159 | .0364 | .1005 | 3.08 |
| %RSD | 114.4 | 43.47 | 105.6 | 16.71 | 5623. | 20.49 |
| #1 | 8.110 | -1.120 | .0853 | .2514 | .0545 | -18.03 |
| #2 | .1707 | -2.118 | -.6602 | .2232 | .0579 | -15.16 |
| #3 | 25.08 | -2.892 | -.6070 | .1792 | -.1178 | -11.87 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0414 | -.2221 | .1248 | .9815 | 37.53 | 37.98 |
| Stddev | .0756 | .2938 | .2110 | .1949 | 9.22 | 5.05 |
| %RSD | 182.6 | 132.3 | 169.0 | 19.86 | 24.57 | 13.31 |
| #1 | -.1215 | -.5407 | -.0507 | 1.009 | 47.89 | 42.77 |
| #2 | -.0312 | -.1640 | .0662 | .7743 | 34.48 | 32.69 |
| #3 | .0285 | .0383 | .3589 | 1.161 | 30.22 | 38.47 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361472/1-A@2 Acquired: 4/11/2016 14:58:40 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.577 | 1.508 | 32.31 | -.2840 | -.6910 | -.8136 |
| Stddev | 3.014 | .059 | 6.27 | .2511 | .2717 | 1.825 |
| %RSD | 191.2 | 3.927 | 19.41 | 88.43 | 39.33 | 224.4 |
| #1 | -.4854 | 1.473 | 27.52 | -.3650 | -.4662 | .0695 |
| #2 | .7398 | 1.474 | 39.41 | -.4845 | -.9930 | .4024 |
| #3 | -4.984 | 1.576 | 29.99 | -.0023 | -.6137 | -2.913 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2587 | -1.340 | -.2880 | 1.269 | 1.787 | -.4555 |
| Stddev | 1.270 | 2.740 | .2734 | .049 | .357 | .0776 |
| %RSD | 490.9 | 204.5 | 94.95 | 3.849 | 19.98 | 17.04 |
| #1 | 1.092 | 1.551 | -.2686 | 1.216 | 2.198 | -.4741 |
| #2 | -.4395 | -1.672 | -.5706 | 1.281 | 1.552 | -.3703 |
| #3 | -1.428 | -3.898 | -.0247 | 1.311 | 1.611 | -.5222 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361472/1-A@2 Acquired: 4/11/2016 14:58:40 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 12.09 | .1893 | .6829 | -10.12 |
| Stddev | .81 | .0835 | .3990 | 13.32 |
| %RSD | 6.670 | 44.08 | 58.43 | 131.6 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 12.17 | .1795 | .2224 | 3.124 |
| #2 | 11.24 | .2772 | .9011 | -23.51 |
| #3 | 12.85 | .1112 | .9253 | -9.981 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9066.2 | 61788. | 9277.8 |
| Stddev | 36.9 | 713. | 62.4 |
| %RSD | .40749 | 1.1532 | .67205 |

| | | | |
|----|--------|--------|--------|
| #1 | 9023.7 | 61035. | 9206.2 |
| #2 | 9090.6 | 62452. | 9320.0 |
| #3 | 9084.4 | 61875. | 9307.4 |

Sample Name: 460-111523-A-1-C Acquired: 4/11/2016 14:51:12 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 75370. | 22.18 | -1.863 | 867.4 | 3.719 | 26960. |
| Stddev | 177. | 2.19 | .197 | 1.9 | .124 | 122. |
| %RSD | .2347 | 9.895 | 10.54 | .2240 | 3.325 | .4535 |
| #1 | 75320. | 24.38 | -1.668 | 869.4 | 3.581 | 27090. |
| #2 | 75230. | 19.99 | -2.061 | 867.4 | 3.753 | 26860. |
| #3 | 75570. | 22.19 | -1.862 | 865.5 | 3.822 | 26930. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3626 | 68.74 | 199.0 | 230.2 | 141900. | 21460. |
| Stddev | .1243 | .20 | 1.0 | .7 | 438. | 117. |
| %RSD | 34.29 | .2897 | .4902 | .3029 | .3086 | .5456 |
| #1 | -.4881 | 68.69 | 200.0 | 229.6 | 142400. | 21420. |
| #2 | -.3600 | 68.57 | 198.1 | 231.0 | 141700. | 21380. |
| #3 | -.2396 | 68.96 | 198.9 | 229.9 | 141600. | 21600. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111523-A-1-C Acquired: 4/11/2016 14:51:12 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 39920. | 2508. | 648.7 | 147.2 | 509.0 | 6.241 |
| Stddev | 175. | 10. | 5.7 | .6 | 1.0 | 2.223 |
| %RSD | .4376 | .4013 | .8744 | .4314 | .1960 | 35.63 |
| #1 | 40120. | 2520. | 642.3 | 147.6 | 509.0 | 4.731 |
| #2 | 39800. | 2500. | 650.4 | 146.5 | 509.9 | 8.794 |
| #3 | 39850. | 2505. | 653.2 | 147.6 | 507.9 | 5.197 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.577 | 3.600 | 268.7 | 723.0 | -.7576 | 6.386 |
| Stddev | 2.756 | 3.428 | .4 | 3.5 | .3569 | .561 |
| %RSD | 41.91 | 95.23 | .1450 | .4779 | 47.11 | 8.777 |
| #1 | 9.754 | 6.500 | 268.5 | 726.0 | -1.167 | 6.029 |
| #2 | 4.834 | 4.483 | 269.2 | 719.2 | -.5923 | 7.032 |
| #3 | 5.142 | -.1833 | 268.6 | 723.8 | -.5133 | 6.097 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111523-A-1-C Acquired: 4/11/2016 14:51:12 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 31.82 | 91.08 | 7336. | 1278. |
| Stddev | .58 | .30 | 16. | 4. |
| %RSD | 1.821 | .3333 | .2231 | .3214 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 31.21 | 91.01 | 7353. | 1282. |
| #2 | 31.89 | 91.41 | 7333. | 1274. |
| #3 | 32.36 | 90.81 | 7321. | 1278. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9002.5 | 60949. | 9197.5 |
| Stddev | 46.2 | 462. | 169.3 |
| %RSD | .51349 | .75750 | 1.8411 |

| | | | |
|----|--------|--------|--------|
| #1 | 8954.4 | 60430. | 9121.8 |
| #2 | 9046.6 | 61316. | 9391.5 |
| #3 | 9006.4 | 61100. | 9079.2 |

Sample Name: sd460-111523-A-1-C Acquired: 4/11/2016 14:54:53 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15510. | 4.756 | -.9723 | 178.0 | .6860 | 5607. |
| Stddev | 63. | 1.250 | .0127 | .6 | .0426 | 23. |
| %RSD | .4048 | 26.28 | 1.304 | .3450 | 6.209 | .4078 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 15490. | 4.390 | -.9699 | 177.4 | .6938 | 5585. |
| #2 | 15460. | 6.148 | -.9610 | 178.6 | .7242 | 5631. |
| #3 | 15580. | 3.731 | -.9860 | 178.0 | .6401 | 5605. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1396 | 14.07 | 41.03 | 47.33 | 29500. | 4417. |
| Stddev | .0547 | .16 | .28 | .84 | 108. | 31. |
| %RSD | 39.15 | 1.137 | .6935 | 1.777 | .3649 | .6995 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.2024 | 13.98 | 40.97 | 46.38 | 29420. | 4445. |
| #2 | -.1028 | 13.97 | 41.33 | 47.60 | 29620. | 4384. |
| #3 | -.1136 | 14.25 | 40.77 | 48.00 | 29450. | 4420. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111523-A-1-C Acquired: 4/11/2016 14:54:53 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8446. | 523.4 | 142.4 | 31.08 | 105.0 | -.5086 |
| Stddev | 64. | 2.2 | 8.3 | .49 | .8 | 1.652 |
| %RSD | .7588 | .4171 | 5.847 | 1.578 | .7505 | 324.9 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 8375. | 522.0 | 135.9 | 30.99 | 105.9 | -1.706 |
| #2 | 8500. | 525.9 | 139.4 | 31.60 | 104.5 | 1.377 |
| #3 | 8463. | 522.4 | 151.8 | 30.63 | 104.6 | -1.196 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.812 | .6254 | 55.12 | 152.4 | .3171 | .7943 |
| Stddev | 1.842 | .9731 | .87 | .8 | .2350 | .1674 |
| %RSD | 101.7 | 155.6 | 1.576 | .5531 | 74.11 | 21.07 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | 3.179 | -.4982 | 54.13 | 151.4 | .3423 | .9323 |
| #2 | -.2825 | 1.202 | 55.48 | 152.7 | .5385 | .6082 |
| #3 | 2.538 | 1.173 | 55.75 | 153.0 | .0705 | .8424 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111523-A-1-C Acquired: 4/11/2016 14:54:53 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.875 | 18.66 | 1502. | 246.3 |
| Stddev | .385 | .04 | 5. | 11.2 |
| %RSD | 5.599 | .2338 | .3031 | 4.558 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 7.104 | 18.61 | 1498. | 246.8 |
| #2 | 6.430 | 18.68 | 1507. | 234.8 |
| #3 | 7.090 | 18.70 | 1500. | 257.2 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9054.1 | 60918. | 9129.3 |
| Stddev | 40.5 | 366. | 68.7 |
| %RSD | .44691 | .60049 | .75237 |

| | | | |
|----|--------|--------|--------|
| #1 | 9094.9 | 61298. | 9125.8 |
| #2 | 9053.6 | 60569. | 9199.6 |
| #3 | 9014.0 | 60888. | 9062.4 |

Sample Name: LCSSRM 460-361472/2- Acquired: 4/11/2016 15:02:35 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: X4

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36190. | 726.6 | 149.9 | 1066. | 507.0 | 28430. |
| Stddev | 29. | 2.8 | .7 | 2. | .6 | 74. |
| %RSD | .0790 | .3902 | .4412 | .1538 | .1110 | .2597 |
| #1 | 36160. | 727.6 | 150.5 | 1067. | 507.2 | 28440. |
| #2 | 36220. | 728.7 | 149.2 | 1066. | 506.3 | 28500. |
| #3 | 36190. | 723.4 | 150.1 | 1064. | 507.3 | 28350. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 443.7 | 795.4 | 743.7 | 867.3 | 76100. | 11240. |
| Stddev | .4 | 1.4 | 3.3 | 2.8 | 257. | 47. |
| %RSD | .0808 | .1721 | .4438 | .3183 | .3371 | .4193 |
| #1 | 443.7 | 796.9 | 745.5 | 870.3 | 76130. | 11270. |
| #2 | 444.0 | 795.1 | 745.8 | 866.9 | 76340. | 11180. |
| #3 | 443.3 | 794.2 | 739.9 | 864.8 | 75830. | 11260. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: LCSSRM 460-361472/2- Acquired: 4/11/2016 15:02:35 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: X4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12860. | 1689. | 4184. | 684.0 | 778.5 | 390.2 |
| Stddev | 31. | 4. | 3. | .6 | 1.0 | 1.5 |
| %RSD | .2442 | .2105 | .0739 | .0938 | .1333 | .3806 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 12900. | 1690. | 4187. | 684.5 | 778.8 | 389.3 |
| #2 | 12870. | 1692. | 4181. | 684.1 | 779.4 | 392.0 |
| #3 | 12830. | 1685. | 4184. | 683.3 | 777.4 | 389.5 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 871.1 | 732.5 | 572.8 | 1010. | 630.5 | 569.0 |
| Stddev | 7.5 | 5.0 | 2.7 | 1. | 3.7 | 3.2 |
| %RSD | .8595 | .6764 | .4776 | .0807 | .5847 | .5646 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 863.0 | 726.9 | 574.8 | 1009. | 626.3 | 565.4 |
| #2 | 872.4 | 734.7 | 573.9 | 1010. | 632.2 | 571.6 |
| #3 | 877.8 | 736.0 | 569.6 | 1009. | 633.1 | 570.0 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: LCSSRM 460-361472/2- Acquired: 4/11/2016 15:02:35 Type: QC
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: X4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 733.1 | 517.8 | 1590. | 1768. |
| Stddev | 5.3 | .6 | 4. | 21. |
| %RSD | .7263 | .1216 | .2609 | 1.172 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 727.3 | 517.9 | 1593. | 1785. |
| #2 | 737.6 | 518.3 | 1592. | 1773. |
| #3 | 734.5 | 517.1 | 1586. | 1745. |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9087.6 | 61638. | 9404.0 |
| Stddev | 2.8 | 26. | 108.3 |
| %RSD | .03028 | .04255 | 1.1513 |

| | | | |
|----|--------|--------|--------|
| #1 | 9084.4 | 61660. | 9524.7 |
| #2 | 9089.0 | 61609. | 9372.0 |
| #3 | 9089.4 | 61646. | 9315.3 |

Sample Name: 460-111152-B-3-A@4 Acquired: 4/11/2016 15:06:09 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 33440. | 45.95 | -.6379 | 131.4 | 2.454 | 5769. |
| Stddev | 131. | 1.84 | .3588 | .2 | .792 | 10. |
| %RSD | .3924 | 3.994 | 56.25 | .1369 | 32.27 | .1690 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 33300. | 44.44 | -.2343 | 131.6 | 3.359 | 5759. |
| #2 | 33560. | 45.40 | -.7587 | 131.3 | 1.884 | 5778. |
| #3 | 33460. | 47.99 | -.9208 | 131.3 | 2.120 | 5770. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1178 | 24.05 | 112.2 | 64.05 | 69340. | 6772. |
| Stddev | .0789 | .31 | .7 | .80 | 51. | 46. |
| %RSD | 67.03 | 1.297 | .5830 | 1.246 | .0742 | .6736 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.0786 | 23.94 | 112.0 | 63.61 | 69280. | 6762. |
| #2 | -.0661 | 24.40 | 111.7 | 63.57 | 69370. | 6822. |
| #3 | -.2086 | 23.80 | 112.9 | 64.97 | 69360. | 6732. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111152-B-3-A@4 Acquired: 4/11/2016 15:06:09 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15490. | 1568. | 8001. | 53.57 | 75.31 | 2.013 |
| Stddev | 26. | 1. | 40. | .97 | 1.36 | 2.048 |
| %RSD | .1710 | .0943 | .5008 | 1.804 | 1.804 | 101.8 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 15500. | 1566. | 7956. | 52.48 | 74.28 | .5626 |
| #2 | 15520. | 1569. | 8032. | 53.89 | 76.85 | 4.356 |
| #3 | 15470. | 1567. | 8014. | 54.33 | 74.79 | 1.120 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.098 | .9385 | 108.6 | 309.1 | 41.37 | 8.761 |
| Stddev | 1.056 | 1.734 | .8 | 2.0 | .47 | .420 |
| %RSD | 25.76 | 184.8 | .7493 | .6374 | 1.142 | 4.789 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 4.231 | 1.652 | 108.4 | 307.3 | 41.70 | 8.359 |
| #2 | 5.080 | -1.039 | 107.8 | 311.2 | 41.57 | 8.728 |
| #3 | 2.982 | 2.202 | 109.4 | 308.7 | 40.83 | 9.196 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111152-B-3-A@4 Acquired: 4/11/2016 15:06:09 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.715 | 84.60 | 1210. | 1223. |
| Stddev | .127 | .39 | 2. | 9. |
| %RSD | 1.894 | .4663 | .1879 | .7189 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 6.569 | 85.04 | 1208. | 1215. |
| #2 | 6.799 | 84.48 | 1212. | 1220. |
| #3 | 6.777 | 84.29 | 1211. | 1232. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9051.0 | 61524. | 9385.2 |
| Stddev | 33.1 | 326. | 40.5 |
| %RSD | .36535 | .52907 | .43119 |

| | | | |
|----|--------|--------|--------|
| #1 | 9023.2 | 61218. | 9398.1 |
| #2 | 9042.2 | 61490. | 9417.7 |
| #3 | 9087.6 | 61866. | 9339.9 |

Sample Name: 460-111152-A-7-A@4 Acquired: 4/11/2016 15:09:55 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 34890. | 40.24 | -.5588 | 136.8 | 2.007 | 5774. |
| Stddev | 121. | .30 | .2077 | .2 | .081 | 13. |
| %RSD | .3478 | .7447 | 37.18 | .1614 | 4.031 | .2311 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 34780. | 40.31 | -.6206 | 136.6 | 2.083 | 5773. |
| #2 | 34890. | 40.50 | -.3271 | 136.8 | 1.922 | 5788. |
| #3 | 35020. | 39.92 | -.7286 | 137.0 | 2.015 | 5762. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0151 | 24.45 | 113.3 | 133.5 | 69910. | 6357. |
| Stddev | .0623 | .09 | .8 | 1.0 | 185. | 47. |
| %RSD | 411.5 | .3824 | .7250 | .7335 | .2649 | .7392 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | .0262 | 24.36 | 113.0 | 134.0 | 69700. | 6317. |
| #2 | -.0867 | 24.44 | 114.3 | 134.2 | 70030. | 6345. |
| #3 | .0151 | 24.55 | 112.7 | 132.4 | 70000. | 6409. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111152-A-7-A@4 Acquired: 4/11/2016 15:09:55 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 14690. | 1533. | 2896. | 54.07 | 87.11 | 2.941 |
| Stddev | 38. | 4. | 6. | 1.11 | 2.07 | .532 |
| %RSD | .2613 | .2694 | .2140 | 2.048 | 2.378 | 18.10 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 14660. | 1529. | 2889. | 53.14 | 84.71 | 2.380 |
| #2 | 14690. | 1534. | 2901. | 53.78 | 88.30 | 3.004 |
| #3 | 14740. | 1537. | 2898. | 55.30 | 88.31 | 3.439 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.687 | .8717 | 104.2 | 394.7 | 35.91 | 8.217 |
| Stddev | 2.779 | .8201 | .7 | 3.5 | .80 | .225 |
| %RSD | 59.29 | 94.08 | .6871 | .8852 | 2.228 | 2.742 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 1.505 | .0100 | 103.8 | 390.7 | 35.31 | 8.049 |
| #2 | 6.635 | 1.643 | 105.0 | 396.1 | 36.82 | 8.473 |
| #3 | 5.921 | .9623 | 103.7 | 397.3 | 35.61 | 8.130 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111152-A-7-A@4 Acquired: 4/11/2016 15:09:55 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7.630 | 79.89 | 1229. | 1201. |
| Stddev | .728 | .21 | 5. | 12. |
| %RSD | 9.536 | .2615 | .3800 | 1.016 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 8.290 | 79.78 | 1225. | 1191. |
| #2 | 7.749 | 79.77 | 1227. | 1214. |
| #3 | 6.850 | 80.13 | 1234. | 1196. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9029.7 | 61427. | 9260.0 |
| Stddev | 12.0 | 91. | 65.3 |
| %RSD | .13299 | .14803 | .70480 |

| | | | |
|----|--------|--------|--------|
| #1 | 9029.5 | 61408. | 9244.4 |
| #2 | 9041.8 | 61347. | 9331.7 |
| #3 | 9017.8 | 61526. | 9204.0 |

Sample Name: 460-111523-A-2-C@4 Acquired: 4/11/2016 15:13:39 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 75970. | 22.25 | -1.694 | 1017. | 3.767 | 45130. |
| Stddev | 191. | .97 | .366 | 1. | .066 | 135. |
| %RSD | .2508 | 4.351 | 21.58 | .0839 | 1.743 | .2992 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 75820. | 21.32 | -1.762 | 1018. | 3.787 | 45110. |
| #2 | 76190. | 22.19 | -1.300 | 1016. | 3.821 | 45280. |
| #3 | 75910. | 23.25 | -2.022 | 1017. | 3.694 | 45010. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2693 | 76.17 | 199.9 | 206.7 | 144100. | 21300. |
| Stddev | .1001 | .54 | .8 | .2 | 442. | 56. |
| %RSD | 37.18 | .7108 | .4116 | .0961 | .3066 | .2631 |

| | | | | | | |
|----|-------|-------|-------|-------|---------|--------|
| #1 | .1903 | 75.60 | 200.4 | 206.5 | 144200. | 21260. |
| #2 | .2357 | 76.67 | 200.3 | 206.8 | 144500. | 21270. |
| #3 | .3819 | 76.25 | 199.0 | 206.7 | 143600. | 21360. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111523-A-2-C@4 Acquired: 4/11/2016 15:13:39 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 48170. | 2866. | 595.2 | 144.0 | 613.7 | 4.806 |
| Stddev | 201. | 8. | 6.6 | 1.2 | 3.7 | 2.542 |
| %RSD | .4177 | .2777 | 1.114 | .8145 | .6005 | 52.90 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 48180. | 2866. | 602.7 | 142.7 | 610.4 | 4.044 |
| #2 | 48370. | 2874. | 592.7 | 145.0 | 612.9 | 7.642 |
| #3 | 47970. | 2858. | 590.1 | 144.4 | 617.7 | 2.732 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.452 | 5.501 | 270.5 | 994.7 | 2.715 | 6.166 |
| Stddev | 3.686 | 1.590 | .6 | 2.8 | .225 | .285 |
| %RSD | 82.78 | 28.90 | .2257 | .2813 | 8.285 | 4.626 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .6246 | 5.953 | 270.9 | 996.7 | 2.909 | 6.158 |
| #2 | 4.756 | 3.735 | 270.8 | 995.7 | 2.469 | 5.885 |
| #3 | 7.977 | 6.816 | 269.8 | 991.5 | 2.767 | 6.455 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111523-A-2-C@4 Acquired: 4/11/2016 15:13:39 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 25.20 | 103.9 | 7204. | 1050. |
| Stddev | .25 | .2 | 14. | 4. |
| %RSD | .9871 | .1599 | .1911 | .3574 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 25.37 | 103.7 | 7204. | 1053. |
| #2 | 25.31 | 103.8 | 7218. | 1050. |
| #3 | 24.91 | 104.0 | 7191. | 1046. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8832.2 | 59375. | 8816.4 |
| Stddev | 41.4 | 402. | 38.1 |
| %RSD | .46836 | .67729 | .43183 |

| | | | |
|----|--------|--------|--------|
| #1 | 8788.1 | 59053. | 8783.7 |
| #2 | 8838.5 | 59246. | 8807.3 |
| #3 | 8870.1 | 59826. | 8858.2 |

Sample Name: CCV Acquired: 4/11/2016 15:17:23 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 126300. | 2512. | 1246. | 10080. | 1038. | 125900. |
| Stddev | 301. | 6. | 1. | 10. | 4. | 195. |
| %RSD | .2385 | .2519 | .1174 | .0975 | .4067 | .1552 |

| | | | | | | |
|----|---------|-------|-------|--------|-------|---------|
| #1 | 126100. | 2510. | 1245. | 10070. | 1034. | 126100. |
| #2 | 126300. | 2507. | 1246. | 10090. | 1038. | 125700. |
| #3 | 126700. | 2519. | 1248. | 10080. | 1042. | 125900. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1247. | 2492. | 5163. | 12580. | 101600. | 49940. |
| Stddev | 1. | 2. | 5. | 14. | 115. | 178. |
| %RSD | .1156 | .0623 | .0893 | .1107 | .1129 | .3563 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1249. | 2494. | 5165. | 12570. | 101700. | 49740. |
| #2 | 1246. | 2491. | 5157. | 12590. | 101400. | 50030. |
| #3 | 1246. | 2493. | 5166. | 12580. | 101600. | 50060. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 15:17:23 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 127200. | 5214. | 128400. | 2521. | 7510. | 999.8 |
| Stddev | 120. | 4. | 259. | 3. | 4. | 6.0 |
| %RSD | .0940 | .0848 | .2018 | .1161 | .0518 | .6033 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 127300. | 5217. | 128200. | 2523. | 7509. | 996.3 |
| #2 | 127100. | 5209. | 128400. | 2523. | 7515. | 996.4 |
| #3 | 127200. | 5216. | 128700. | 2518. | 7507. | 1007. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2440. | 2469. | 2533. | 2517. | 989.7 | 2414. |
| Stddev | 10. | 2. | 3. | 9. | 4.7 | 4. |
| %RSD | .4210 | .0957 | .1144 | .3446 | .4761 | .1730 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2438. | 2469. | 2535. | 2527. | 985.1 | 2412. |
| #2 | 2431. | 2467. | 2534. | 2516. | 989.3 | 2419. |
| #3 | 2451. | 2472. | 2529. | 2509. | 994.5 | 2412. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 15:17:23 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 990.1 | 5087. | 10340. | 9910. |
| Stddev | 1.8 | 17. | 6. | 107. |
| %RSD | .1798 | .3268 | .0555 | 1.083 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | 990.3 | 5073. | 10340. | 9819. |
| #2 | 988.2 | 5082. | 10340. | 9883. |
| #3 | 991.8 | 5105. | 10350. | 10030. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8401.0 | 57444. | 8826.3 |
| Stddev | 15.8 | 124. | 68.2 |
| %RSD | .18845 | .21575 | .77264 |

| | | | |
|----|--------|--------|--------|
| #1 | 8384.2 | 57305. | 8762.6 |
| #2 | 8403.1 | 57543. | 8818.2 |
| #3 | 8415.7 | 57485. | 8898.2 |

Sample Name: CCB Acquired: 4/11/2016 15:20:51 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.04 | .6240 | -.0702 | .1858 | -.1231 | -33.04 |
| Stddev | 14.33 | .3579 | .1793 | .3017 | .1424 | 4.92 |
| %RSD | 119.0 | 57.36 | 255.3 | 162.4 | 115.6 | 14.91 |
| #1 | -4.504 | .2209 | -.1385 | .5038 | -.0058 | -29.78 |
| #2 | 20.41 | .9045 | .1332 | .1501 | -.0821 | -30.62 |
| #3 | 20.21 | .7467 | -.2053 | -.0966 | -.2815 | -38.70 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1249 | -.0556 | .3887 | 1.815 | 7.184 | 11.59 |
| Stddev | .1652 | .1548 | .4915 | .346 | 5.136 | 20.23 |
| %RSD | 132.3 | 278.5 | 126.4 | 19.05 | 71.49 | 174.6 |
| #1 | .0976 | -.0834 | .9554 | 2.170 | 13.05 | 29.41 |
| #2 | -.0250 | -.1946 | .1321 | 1.795 | 3.494 | 15.75 |
| #3 | .3020 | .1113 | .0787 | 1.479 | 5.008 | -10.40 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 15:20:51 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.965 | .2948 | 37.52 | .0961 | .0997 | -2.124 |
| Stddev | 9.377 | .2680 | 19.65 | .4477 | 1.366 | .363 |
| %RSD | 134.6 | 90.91 | 52.37 | 465.8 | 1369. | 17.08 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 17.73 | .6043 | 60.09 | .4308 | 1.024 | -1.868 |
| #2 | 2.620 | .1410 | 24.24 | .2701 | .7446 | -1.965 |
| #3 | .5486 | .1392 | 28.22 | -.4125 | -1.469 | -2.540 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.519 | -1.416 | .0048 | .0556 | 1.961 | .7991 |
| Stddev | 1.010 | 1.463 | .2999 | .1161 | .609 | .4472 |
| %RSD | 40.08 | 103.3 | 6278. | 209.0 | 31.07 | 55.96 |

| | | | | | | |
|----|-------|--------|--------|--------|-------|-------|
| #1 | 2.557 | -1.847 | .0813 | .1222 | 2.598 | .4300 |
| #2 | 3.509 | .2141 | -.3259 | .1229 | 1.383 | 1.296 |
| #3 | 1.491 | -2.616 | .2590 | -.0785 | 1.902 | .6710 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 15:20:51 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1434 | .4762 | .6389 | -4.417 |
| Stddev | .6583 | .2679 | .3256 | 9.285 |
| %RSD | 458.9 | 56.26 | 50.96 | 210.2 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .5190 | .7662 | 1.015 | -7.717 |
| #2 | -.6167 | .4242 | .4455 | 6.067 |
| #3 | .5280 | .2380 | .4565 | -11.60 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9062.1 | 61028. | 9094.3 |
| Stddev | 44.4 | 400. | 19.5 |
| %RSD | .48991 | .65593 | .21388 |

| | | | |
|----|--------|--------|--------|
| #1 | 9112.6 | 61381. | 9073.1 |
| #2 | 9029.3 | 60593. | 9098.4 |
| #3 | 9044.3 | 61109. | 9111.3 |

Sample Name: CCVL Acquired: 4/11/2016 15:24:45 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 201.5 | 14.81 | 8.989 | 203.2 | 2.065 | 5021. |
| Stddev | 4.5 | 2.35 | .377 | .2 | .101 | 12. |
| %RSD | 2.224 | 15.90 | 4.192 | .1223 | 4.889 | .2399 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 202.3 | 12.21 | 9.420 | 203.4 | 1.980 | 5007. |
| #2 | 196.7 | 15.42 | 8.821 | 202.9 | 2.039 | 5029. |
| #3 | 205.5 | 16.80 | 8.725 | 203.3 | 2.177 | 5026. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.978 | 51.35 | 10.30 | 25.80 | 168.0 | 4875. |
| Stddev | .139 | .32 | .70 | .66 | 10.7 | 49. |
| %RSD | 3.481 | .6211 | 6.813 | 2.559 | 6.381 | 1.006 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.124 | 51.07 | 9.580 | 25.05 | 157.7 | 4831. |
| #2 | 3.960 | 51.70 | 10.98 | 26.03 | 179.1 | 4928. |
| #3 | 3.849 | 51.28 | 10.33 | 26.30 | 167.3 | 4867. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 15:24:45 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4986. | 16.37 | 5040. | 41.60 | 10.38 | 19.49 |
| Stddev | 55. | .16 | 13. | 1.08 | .90 | 1.20 |
| %RSD | 1.109 | .9943 | .2604 | 2.600 | 8.665 | 6.158 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4922. | 16.20 | 5037. | 42.26 | 9.876 | 20.85 |
| #2 | 5017. | 16.40 | 5054. | 40.35 | 9.837 | 19.05 |
| #3 | 5018. | 16.52 | 5028. | 42.19 | 11.41 | 18.58 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.75 | 18.82 | 50.70 | 31.42 | 49.44 | 18.98 |
| Stddev | 1.16 | 2.01 | .57 | .24 | .10 | .24 |
| %RSD | 6.928 | 10.67 | 1.131 | .7562 | .1980 | 1.261 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 16.31 | 19.73 | 50.05 | 31.23 | 49.51 | 18.93 |
| #2 | 18.07 | 16.52 | 50.91 | 31.69 | 49.33 | 19.24 |
| #3 | 15.87 | 20.21 | 51.14 | 31.34 | 49.48 | 18.77 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 15:24:45 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 49.03 | 20.91 | 20.96 | F -7.137 |
| Stddev | .33 | .20 | .29 | 15.31 |
| %RSD | .6667 | .9748 | 1.367 | 214.6 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 49.10 | 20.70 | 20.63 | -24.67 |
| #2 | 48.68 | 21.11 | 21.15 | -.3379 |
| #3 | 49.32 | 20.91 | 21.10 | 3.601 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8918.3 | 60486. | 8991.0 |
| Stddev | 18.2 | 94. | 98.3 |
| %RSD | .20379 | .15499 | 1.0938 |

| | | | |
|----|--------|--------|--------|
| #1 | 8912.2 | 60410. | 9011.7 |
| #2 | 8938.8 | 60458. | 8884.0 |
| #3 | 8904.0 | 60591. | 9077.4 |

Sample Name: 460-111530-A-1-A@4 Acquired: 4/11/2016 15:28:36 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 47080. | 20.30 | -.3846 | 418.8 | 3.167 | 9873. |
| Stddev | 357. | 1.54 | .2334 | 1.0 | .060 | 86. |
| %RSD | .7592 | 7.597 | 60.69 | .2389 | 1.898 | .8718 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 46680. | 21.11 | -.5636 | 417.6 | 3.192 | 9778. |
| #2 | 47170. | 21.26 | -.4695 | 419.4 | 3.099 | 9897. |
| #3 | 47380. | 18.52 | -.1206 | 419.2 | 3.211 | 9945. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4699 | 15.88 | 61.68 | 54.23 | 50470. | 2780. |
| Stddev | .0111 | .16 | .71 | .10 | 313. | 14. |
| %RSD | 2.356 | .9871 | 1.148 | .1770 | .6206 | .5184 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.4775 | 15.71 | 60.94 | 54.25 | 50120. | 2777. |
| #2 | -.4749 | 15.91 | 62.35 | 54.32 | 50560. | 2795. |
| #3 | -.4572 | 16.02 | 61.74 | 54.13 | 50730. | 2767. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-1-A@4 Acquired: 4/11/2016 15:28:36 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7709. | 593.8 | 1067. | 37.85 | 797.0 | 1.027 |
| Stddev | 93. | 3.7 | 9. | .35 | 6.6 | .951 |
| %RSD | 1.212 | .6304 | .8364 | .9320 | .8333 | 92.63 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 7603. | 590.0 | 1057. | 37.95 | 798.0 | -.0368 |
| #2 | 7747. | 594.1 | 1074. | 37.45 | 789.9 | 1.321 |
| #3 | 7778. | 597.4 | 1070. | 38.14 | 803.1 | 1.795 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.322 | -2.469 | 88.94 | 247.2 | 13.42 | 2.265 |
| Stddev | 3.818 | 3.051 | .37 | 1.7 | .36 | .141 |
| %RSD | 71.75 | 123.6 | .4187 | .6893 | 2.654 | 6.208 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 9.393 | .1801 | 88.55 | 245.9 | 13.02 | 2.128 |
| #2 | 4.752 | -1.782 | 88.98 | 246.4 | 13.57 | 2.258 |
| #3 | 1.821 | -5.805 | 89.30 | 249.1 | 13.68 | 2.409 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-1-A@4 Acquired: 4/11/2016 15:28:36 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 32.69 | 130.5 | 715.6 | 1379. |
| Stddev | .33 | .8 | 3.2 | 14. |
| %RSD | 1.007 | .6393 | .4454 | 1.020 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 32.35 | 129.6 | 712.0 | 1363. |
| #2 | 33.01 | 130.7 | 716.4 | 1387. |
| #3 | 32.72 | 131.3 | 718.2 | 1388. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9070.9 | 61800. | 9497.5 |
| Stddev | 8.2 | 304. | 100.5 |
| %RSD | .09015 | .49266 | 1.0583 |

| | | | |
|----|--------|--------|--------|
| #1 | 9072.3 | 62005. | 9609.5 |
| #2 | 9078.2 | 61946. | 9467.9 |
| #3 | 9062.1 | 61450. | 9415.1 |

Sample Name: 460-111530-A-2-A@4 Acquired: 4/11/2016 15:32:21 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36350. | 20.65 | 15.41 | 2375. | 3.404 | 14230. |
| Stddev | 66. | 1.35 | .66 | 6. | .060 | 90. |
| %RSD | .1825 | 6.533 | 4.283 | .2667 | 1.771 | .6327 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|---------------|
| #1 | 36270. | 21.69 | 16.12 | 2368. | 3.432 | 14170. |
| #2 | 36380. | 21.14 | 15.31 | 2381. | 3.335 | 14190. |
| #3 | 36390. | 19.13 | 14.81 | 2376. | 3.446 | 14330. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.760 | 15.68 | 88.56 | 393.8 | 50980. | 2956. |
| Stddev | .175 | .06 | .77 | 6.3 | 226. | 11. |
| %RSD | 4.644 | .3647 | .8685 | 1.587 | .4432 | .3767 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|---------------|--------------|
| #1 | 3.665 | 15.64 | 87.73 | 387.4 | 50800. | 2944. |
| #2 | 3.653 | 15.66 | 88.69 | 394.2 | 50900. | 2958. |
| #3 | 3.961 | 15.75 | 89.25 | 399.9 | 51230. | 2966. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-2-A@4 Acquired: 4/11/2016 15:32:21 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7520. | 341.6 | 1626. | 59.50 | 4588. | 6.790 |
| Stddev | 85. | 1.6 | 16. | .69 | 7. | .587 |
| %RSD | 1.131 | .4779 | .9615 | 1.157 | .1447 | 8.642 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 7438. | 339.9 | 1609. | 58.85 | 4580. | 6.224 |
| #2 | 7513. | 341.6 | 1627. | 60.22 | 4593. | 6.749 |
| #3 | 7608. | 343.2 | 1640. | 59.43 | 4591. | 7.396 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.466 | .3074 | 103.1 | 1487. | 12.76 | 4.694 |
| Stddev | 2.590 | 1.596 | 1.7 | 2. | .46 | .222 |
| %RSD | 105.0 | 519.3 | 1.692 | .1557 | 3.573 | 4.735 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|-------|
| #1 | 3.275 | -.9800 | 101.9 | 1488. | 13.23 | 4.694 |
| #2 | -.4314 | -.1913 | 102.4 | 1485. | 12.32 | 4.916 |
| #3 | 4.555 | 2.093 | 105.1 | 1489. | 12.73 | 4.472 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-2-A@4 Acquired: 4/11/2016 15:32:21 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 139.8 | 156.8 | 673.0 | 1126. |
| Stddev | .8 | .7 | 3.8 | 17. |
| %RSD | .5421 | .4703 | .5579 | 1.529 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 139.0 | 156.0 | 669.1 | 1113. |
| #2 | 139.9 | 156.7 | 673.5 | 1145. |
| #3 | 140.5 | 157.5 | 676.5 | 1119. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8974.8 | 60530. | 9136.4 |
| Stddev | 38.5 | 366. | 117.6 |
| %RSD | .42915 | .60453 | 1.2866 |

| | | | |
|----|--------|--------|--------|
| #1 | 8933.8 | 60121. | 9000.9 |
| #2 | 9010.3 | 60826. | 9198.0 |
| #3 | 8980.3 | 60642. | 9210.4 |

Sample Name: 460-111530-A-3-A@4 Acquired: 4/11/2016 15:36:05 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 47200. | 26.26 | -.6279 | 545.8 | 3.209 | 7764. |
| Stddev | 241. | 1.04 | .4153 | .7 | .107 | 19. |
| %RSD | .5106 | 3.960 | 66.15 | .1193 | 3.338 | .2498 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 46960. | 25.06 | -.3539 | 546.2 | 3.330 | 7744. |
| #2 | 47180. | 26.96 | -.4239 | 545.0 | 3.171 | 7765. |
| #3 | 47440. | 26.75 | -1.106 | 546.1 | 3.126 | 7783. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2635 | 17.10 | 72.12 | 109.4 | 58960. | 2390. |
| Stddev | .0864 | .12 | .23 | 1.0 | 68. | 26. |
| %RSD | 32.81 | .6945 | .3183 | .8790 | .1158 | 1.083 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | .3624 | 17.22 | 71.93 | 108.4 | 58890. | 2419. |
| #2 | .2028 | 17.08 | 72.38 | 109.8 | 58950. | 2368. |
| #3 | .2252 | 16.99 | 72.06 | 110.2 | 59030. | 2383. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-3-A@4 Acquired: 4/11/2016 15:36:05 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8025. | 856.3 | 1135. | 39.95 | 1088. | .3118 |
| Stddev | 87. | 2.3 | 15. | .22 | 4. | .1410 |
| %RSD | 1.086 | .2676 | 1.308 | .5420 | .3628 | 45.24 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 7928. | 853.8 | 1123. | 39.73 | 1084. | .4738 |
| #2 | 8052. | 857.0 | 1131. | 40.17 | 1091. | .2165 |
| #3 | 8096. | 858.2 | 1152. | 39.95 | 1091. | .2450 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.771 | -1.948 | 107.2 | 526.6 | 10.14 | 3.894 |
| Stddev | 1.510 | 1.731 | .6 | .8 | .42 | .304 |
| %RSD | 40.04 | 88.86 | .5247 | .1547 | 4.189 | 7.800 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 2.228 | -.5930 | 106.5 | 526.8 | 9.710 | 3.947 |
| #2 | 5.246 | -1.353 | 107.5 | 527.4 | 10.16 | 3.568 |
| #3 | 3.839 | -3.898 | 107.5 | 525.7 | 10.56 | 4.168 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-3-A@4 Acquired: 4/11/2016 15:36:05 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 38.75 | 76.27 | 730.0 | 1282. |
| Stddev | .87 | .15 | .4 | 14. |
| %RSD | 2.247 | .1959 | .0486 | 1.076 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 37.75 | 76.17 | 729.8 | 1295. |
| #2 | 39.13 | 76.19 | 730.4 | 1282. |
| #3 | 39.36 | 76.44 | 729.8 | 1268. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8929.2 | 59766. | 8967.0 |
| Stddev | 46.6 | 120. | 173.2 |
| %RSD | .52233 | .20136 | 1.9317 |

| | | | |
|----|--------|--------|--------|
| #1 | 8900.3 | 59749. | 9122.1 |
| #2 | 8904.3 | 59894. | 8999.0 |
| #3 | 8983.0 | 59655. | 8780.1 |

Sample Name: 460-111530-A-4-A@4 Acquired: 4/11/2016 15:39:49 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 44560. | 17.91 | -.4346 | 358.8 | 2.613 | 6293. |
| Stddev | 78. | .72 | .4087 | .4 | .116 | 19. |
| %RSD | .1758 | 4.039 | 94.05 | .1170 | 4.428 | .3027 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 44470. | 17.08 | -.1709 | 359.3 | 2.708 | 6279. |
| #2 | 44610. | 18.20 | -.9054 | 358.6 | 2.646 | 6315. |
| #3 | 44590. | 18.44 | -.2274 | 358.5 | 2.484 | 6286. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5578 | 12.17 | 58.27 | 48.92 | 50480. | 2010. |
| Stddev | .0376 | .27 | .47 | .18 | 96. | 31. |
| %RSD | 6.738 | 2.203 | .8148 | .3622 | .1892 | 1.546 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.5873 | 11.87 | 58.06 | 49.12 | 50420. | 2039. |
| #2 | -.5155 | 12.23 | 58.81 | 48.78 | 50590. | 1977. |
| #3 | -.5705 | 12.40 | 57.93 | 48.85 | 50420. | 2015. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-4-A@4 Acquired: 4/11/2016 15:39:49 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6952. | 994.7 | 959.9 | 31.15 | 237.3 | 1.782 |
| Stddev | 59. | 2.5 | 4.7 | .17 | 1.3 | .772 |
| %RSD | .8417 | .2553 | .4895 | .5321 | .5512 | 43.33 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 6894. | 992.8 | 955.7 | 31.10 | 237.4 | 2.593 |
| #2 | 7011. | 997.6 | 965.0 | 31.01 | 236.0 | 1.696 |
| #3 | 6951. | 993.8 | 959.0 | 31.33 | 238.6 | 1.056 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.320 | .1737 | 86.10 | 182.0 | 12.15 | 3.713 |
| Stddev | 1.606 | .9579 | .48 | .7 | .20 | .106 |
| %RSD | 30.20 | 551.4 | .5601 | .4004 | 1.683 | 2.860 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 6.103 | -.8317 | 85.60 | 181.2 | 12.17 | 3.809 |
| #2 | 3.472 | 1.076 | 86.56 | 182.6 | 11.94 | 3.733 |
| #3 | 6.385 | .2772 | 86.14 | 182.3 | 12.35 | 3.599 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-4-A@4 Acquired: 4/11/2016 15:39:49 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.59 | 52.37 | 673.6 | 1266. |
| Stddev | .55 | .19 | 1.2 | 18. |
| %RSD | 5.187 | .3583 | .1718 | 1.460 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 9.985 | 52.58 | 674.0 | 1274. |
| #2 | 11.06 | 52.32 | 674.5 | 1245. |
| #3 | 10.73 | 52.22 | 672.3 | 1280. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9087.6 | 61949. | 9443.4 |
| Stddev | 6.2 | 227. | 36.8 |
| %RSD | .06840 | .36568 | .38945 |

| | | | |
|----|--------|--------|--------|
| #1 | 9086.7 | 62099. | 9476.4 |
| #2 | 9081.8 | 61688. | 9450.1 |
| #3 | 9094.1 | 62060. | 9403.8 |

Sample Name: 460-111530-A-5-A@4 Acquired: 4/11/2016 15:43:35 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49490. | 17.75 | .9922 | 595.1 | 4.783 | 7336. |
| Stddev | 312. | 1.02 | .0101 | 1.1 | .112 | 36. |
| %RSD | .6299 | 5.747 | 1.021 | .1892 | 2.343 | .4929 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 49160. | 16.65 | .9967 | 595.1 | 4.709 | 7294. |
| #2 | 49510. | 18.66 | .9806 | 596.2 | 4.912 | 7352. |
| #3 | 49780. | 17.95 | .9993 | 594.0 | 4.728 | 7360. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1928 | 16.59 | 63.09 | 108.6 | 57220. | 2373. |
| Stddev | .1064 | .12 | .06 | .2 | 288. | 5. |
| %RSD | 55.17 | .7193 | .0997 | .1397 | .5026 | .2112 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | .3155 | 16.73 | 63.02 | 108.4 | 56890. | 2375. |
| #2 | .1268 | 16.51 | 63.11 | 108.6 | 57420. | 2377. |
| #3 | .1362 | 16.54 | 63.14 | 108.7 | 57360. | 2368. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-5-A@4 Acquired: 4/11/2016 15:43:35 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7733. | 688.6 | 1421. | 41.11 | 1060. | 1.307 |
| Stddev | 41. | 3.3 | 8. | .08 | 3. | .811 |
| %RSD | .5282 | .4816 | .5436 | .1854 | .2890 | 62.05 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 7686. | 684.8 | 1412. | 41.19 | 1057. | .4095 |
| #2 | 7760. | 690.5 | 1422. | 41.11 | 1060. | 1.987 |
| #3 | 7752. | 690.5 | 1428. | 41.03 | 1063. | 1.524 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.774 | -8414 | 97.69 | 517.0 | 9.102 | 2.121 |
| Stddev | .759 | 1.587 | .61 | 1.3 | .356 | .140 |
| %RSD | 42.79 | 188.6 | .6203 | .2579 | 3.909 | 6.575 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 1.347 | -.3068 | 97.06 | 516.2 | 9.512 | 2.156 |
| #2 | 1.324 | .4089 | 98.27 | 518.6 | 8.878 | 1.968 |
| #3 | 2.650 | -2.626 | 97.75 | 516.3 | 8.916 | 2.240 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-5-A@4 Acquired: 4/11/2016 15:43:35 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 28.17 | 75.35 | 728.1 | 1461. |
| Stddev | .37 | .20 | 1.3 | 15. |
| %RSD | 1.297 | .2625 | .1809 | 1.040 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 28.56 | 75.15 | 726.6 | 1447. |
| #2 | 28.10 | 75.54 | 729.0 | 1459. |
| #3 | 27.84 | 75.37 | 728.7 | 1477. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9134.7 | 62382. | 9606.5 |
| Stddev | 17.6 | 219. | 155.9 |
| %RSD | .19277 | .35182 | 1.6226 |

| | | | |
|----|--------|--------|--------|
| #1 | 9150.2 | 62636. | 9757.7 |
| #2 | 9138.2 | 62266. | 9615.3 |
| #3 | 9115.5 | 62246. | 9446.4 |

Sample Name: 460-111530-A-6-A@4 Acquired: 4/11/2016 15:47:19 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 33950. | 38.42 | 4.190 | 1053. | 2.806 | 10170. |
| Stddev | 668. | 1.23 | .137 | 18. | .115 | 187. |
| %RSD | 1.967 | 3.189 | 3.279 | 1.671 | 4.083 | 1.836 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 33250. | 37.64 | 4.348 | 1036. | 2.691 | 9958. |
| #2 | 34020. | 37.80 | 4.122 | 1053. | 2.808 | 10220. |
| #3 | 34580. | 39.84 | 4.100 | 1071. | 2.920 | 10320. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 28.80 | 18.69 | 84.88 | 354.1 | 52170. | 2169. |
| Stddev | .56 | .47 | 2.11 | 5.8 | 949. | 53. |
| %RSD | 1.929 | 2.537 | 2.489 | 1.642 | 1.818 | 2.457 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 28.24 | 18.30 | 82.48 | 348.2 | 51150. | 2123. |
| #2 | 28.81 | 18.55 | 85.75 | 354.2 | 52320. | 2157. |
| #3 | 29.35 | 19.22 | 86.43 | 359.8 | 53030. | 2227. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-6-A@4 Acquired: 4/11/2016 15:47:19 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5638. | 645.1 | 2284. | 61.42 | 3380. | 5.093 |
| Stddev | 113. | 11.7 | 36. | .88 | 75. | .994 |
| %RSD | 2.010 | 1.813 | 1.596 | 1.432 | 2.204 | 19.52 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5514. | 632.6 | 2246. | 60.41 | 3305. | 5.956 |
| #2 | 5665. | 647.0 | 2289. | 61.83 | 3382. | 4.006 |
| #3 | 5736. | 655.8 | 2318. | 62.02 | 3454. | 5.318 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.470 | -1.742 | 233.3 | 1152. | 7.815 | 7.665 |
| Stddev | 2.515 | 2.465 | 4.0 | 18. | .169 | .491 |
| %RSD | 45.97 | 141.5 | 1.699 | 1.551 | 2.166 | 6.404 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 8.098 | -4.572 | 228.9 | 1132. | 7.995 | 7.163 |
| #2 | 3.086 | -.5976 | 234.4 | 1156. | 7.659 | 7.688 |
| #3 | 5.225 | -.0576 | 236.6 | 1167. | 7.790 | 8.144 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-6-A@4 Acquired: 4/11/2016 15:47:19 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 177.4 | 119.7 | 816.7 | 1559. |
| Stddev | 4.6 | 2.3 | 15.0 | 32. |
| %RSD | 2.577 | 1.907 | 1.833 | 2.061 |

| | | | | |
|----|--------------|--------------|--------------|--------------|
| #1 | 172.4 | 117.3 | 801.5 | 1541. |
| #2 | 178.6 | 119.9 | 817.1 | 1541. |
| #3 | 181.3 | 121.9 | 831.5 | 1596. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9012.3 | 61174. | 9290.4 |
| Stddev | 17.0 | 322. | 94.9 |
| %RSD | .18848 | .52676 | 1.0211 |

| | | | |
|----|--------|--------|--------|
| #1 | 8994.0 | 60980. | 9360.9 |
| #2 | 9015.5 | 60997. | 9182.5 |
| #3 | 9027.5 | 61546. | 9327.6 |

Sample Name: 460-111530-A-7-A@4 Acquired: 4/11/2016 15:51:02 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 32170. | 36.25 | 8.825 | 1005. | 3.103 | 11370. |
| Stddev | 232. | 2.01 | .190 | 8. | .033 | 63. |
| %RSD | .7201 | 5.556 | 2.158 | .8438 | 1.066 | .5547 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 31920. | 36.93 | 8.665 | 997.1 | 3.065 | 11330. |
| #2 | 32210. | 33.99 | 8.774 | 1005. | 3.122 | 11440. |
| #3 | 32370. | 37.85 | 9.036 | 1014. | 3.122 | 11330. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.119 | 21.80 | 68.16 | 532.5 | 45290. | 2383. |
| Stddev | .184 | .27 | 1.03 | 6.4 | 219. | 35. |
| %RSD | 5.911 | 1.232 | 1.507 | 1.195 | .4833 | 1.478 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 2.950 | 21.55 | 67.90 | 525.5 | 45080. | 2354. |
| #2 | 3.091 | 21.77 | 69.29 | 533.9 | 45510. | 2373. |
| #3 | 3.315 | 22.09 | 67.28 | 538.0 | 45290. | 2422. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-7-A@4 Acquired: 4/11/2016 15:51:02 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6151. | 498.4 | 2726. | 55.47 | 4172. | 28.66 |
| Stddev | 37. | 2.1 | 22. | .07 | 22. | 1.39 |
| %RSD | .6085 | .4255 | .8059 | .1295 | .5164 | 4.855 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 6111. | 496.1 | 2701. | 55.40 | 4148. | 28.94 |
| #2 | 6185. | 500.3 | 2735. | 55.47 | 4178. | 27.15 |
| #3 | 6158. | 498.9 | 2742. | 55.55 | 4190. | 29.89 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.551 | -2.131 | 108.2 | 2013. | 214.9 | 8.011 |
| Stddev | .772 | 1.148 | 1.2 | 11. | 4.4 | .268 |
| %RSD | 11.79 | 53.86 | 1.148 | .5281 | 2.069 | 3.347 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 5.941 | -1.076 | 106.8 | 2012. | 211.2 | 7.822 |
| #2 | 7.420 | -3.354 | 109.3 | 2024. | 213.6 | 7.892 |
| #3 | 6.293 | -1.964 | 108.3 | 2003. | 219.8 | 8.318 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-7-A@4 Acquired: 4/11/2016 15:51:02 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 244.8 | 178.3 | 672.9 | 1085. |
| Stddev | 3.4 | 2.2 | 4.5 | 15. |
| %RSD | 1.386 | 1.225 | .6666 | 1.366 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 241.0 | 176.0 | 667.8 | 1082. |
| #2 | 246.1 | 178.6 | 674.4 | 1072. |
| #3 | 247.3 | 180.3 | 676.4 | 1101. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8978.7 | 60304. | 9017.6 |
| Stddev | 77.8 | 701. | 61.4 |
| %RSD | .86658 | 1.1628 | .68124 |

| | | | |
|----|--------|--------|--------|
| #1 | 8925.5 | 59868. | 8977.2 |
| #2 | 8942.5 | 59932. | 8987.4 |
| #3 | 9068.0 | 61113. | 9088.3 |

Sample Name: 460-111530-A-8-A@4 Acquired: 4/11/2016 15:54:45 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 32500. | 40.27 | 11.74 | 984.4 | 3.162 | 11290. |
| Stddev | 60. | 4.24 | .33 | 1.4 | .065 | 31. |
| %RSD | .1835 | 10.54 | 2.801 | .1372 | 2.053 | .2769 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 32560. | 37.44 | 11.78 | 984.6 | 3.231 | 11300. |
| #2 | 32510. | 45.15 | 11.39 | 985.7 | 3.102 | 11250. |
| #3 | 32440. | 38.23 | 12.04 | 983.0 | 3.154 | 11310. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.971 | 21.03 | 77.09 | 959.3 | 58070. | 2082. |
| Stddev | .039 | .03 | .18 | 2.9 | 53. | 15. |
| %RSD | 1.305 | .1482 | .2292 | .2986 | .0916 | .7335 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 2.940 | 21.07 | 77.29 | 959.1 | 58080. | 2098. |
| #2 | 3.014 | 21.02 | 77.02 | 962.2 | 58010. | 2068. |
| #3 | 2.957 | 21.01 | 76.96 | 956.5 | 58110. | 2079. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-8-A@4 Acquired: 4/11/2016 15:54:45 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6065. | 954.7 | 1727. | 53.67 | 3408. | 5.778 |
| Stddev | 33. | .8 | 13. | .85 | 40. | 1.334 |
| %RSD | .5450 | .0794 | .7450 | 1.581 | 1.183 | 23.08 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 6029. | 954.7 | 1721. | 52.73 | 3427. | 7.159 |
| #2 | 6073. | 954.0 | 1741. | 54.36 | 3362. | 5.677 |
| #3 | 6093. | 955.5 | 1717. | 53.94 | 3435. | 4.497 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.209 | .7675 | 109.5 | 1525. | 15.62 | 3.366 |
| Stddev | 2.773 | 2.522 | 1.1 | 8. | .73 | .106 |
| %RSD | 86.40 | 328.6 | .9754 | .5227 | 4.667 | 3.139 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|--------------|--------------|
| #1 | .6735 | 1.030 | 108.2 | 1528. | 15.62 | 3.476 |
| #2 | 6.170 | -1.876 | 110.0 | 1530. | 14.90 | 3.265 |
| #3 | 2.784 | 3.148 | 110.2 | 1516. | 16.35 | 3.356 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-8-A@4 Acquired: 4/11/2016 15:54:45 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 227.9 | 180.9 | 655.1 | 1174. |
| Stddev | .2 | .1 | .3 | 8. |
| %RSD | .0863 | .0526 | .0486 | .6953 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 227.6 | 180.9 | 655.2 | 1164. |
| #2 | 228.0 | 180.9 | 655.3 | 1178. |
| #3 | 227.9 | 181.0 | 654.7 | 1179. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9059.0 | 61636. | 9383.2 |
| Stddev | 40.2 | 318. | 71.8 |
| %RSD | .44427 | .51533 | .76508 |

| | | | |
|----|--------|--------|--------|
| #1 | 9019.4 | 61300. | 9317.7 |
| #2 | 9057.7 | 61931. | 9371.9 |
| #3 | 9099.9 | 61677. | 9459.9 |

Sample Name: 460-111530-A-9-A@4 Acquired: 4/11/2016 15:58:29 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36340. | 35.24 | 10.22 | 1294. | 3.704 | 15820. |
| Stddev | 65. | 1.10 | .19 | 2. | .041 | 27. |
| %RSD | .1778 | 3.126 | 1.844 | .1479 | 1.107 | .1719 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 36260. | 34.82 | 10.15 | 1293. | 3.735 | 15850. |
| #2 | 36360. | 34.42 | 10.43 | 1296. | 3.721 | 15820. |
| #3 | 36390. | 36.50 | 10.08 | 1293. | 3.658 | 15790. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.187 | 23.43 | 78.62 | 378.9 | 64530. | 2918. |
| Stddev | .137 | .05 | .70 | 1.6 | 185. | 5. |
| %RSD | 4.312 | .2006 | .8937 | .4332 | .2870 | .1701 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 3.077 | 23.39 | 78.89 | 380.7 | 64710. | 2915. |
| #2 | 3.341 | 23.48 | 77.82 | 377.6 | 64540. | 2924. |
| #3 | 3.142 | 23.43 | 79.15 | 378.3 | 64340. | 2915. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-9-A@4 Acquired: 4/11/2016 15:58:29 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9009. | 1084. | 1734. | 55.05 | 2404. | 5.898 |
| Stddev | 28. | 2. | 4. | .31 | 12. | 1.370 |
| %RSD | .3082 | .1872 | .2057 | .5615 | .5047 | 23.23 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 9040. | 1086. | 1732. | 54.69 | 2390. | 7.065 |
| #2 | 8989. | 1084. | 1731. | 55.20 | 2412. | 4.390 |
| #3 | 8996. | 1082. | 1738. | 55.25 | 2411. | 6.240 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.796 | -6361 | 140.4 | 1259. | 10.45 | 3.543 |
| Stddev | 1.346 | .9705 | .8 | 3. | .29 | .217 |
| %RSD | 23.22 | 152.6 | .5604 | .2586 | 2.774 | 6.127 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 7.188 | -1.435 | 141.3 | 1260. | 10.71 | 3.305 |
| #2 | 4.501 | -.9178 | 140.1 | 1261. | 10.14 | 3.591 |
| #3 | 5.699 | .4441 | 139.8 | 1255. | 10.51 | 3.731 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-9-A@4 Acquired: 4/11/2016 15:58:29 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1890. | 146.1 | 760.5 | 1255. |
| Stddev | 12. | .2 | 2.1 | 6. |
| %RSD | .6527 | .1298 | .2712 | .4401 |

| | | | | |
|----|--------------|--------------|--------------|--------------|
| #1 | 1878. | 146.2 | 762.7 | 1251. |
| #2 | 1902. | 145.9 | 760.1 | 1261. |
| #3 | 1891. | 146.3 | 758.7 | 1253. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9086.8 | 62305. | 9428.6 |
| Stddev | 20.0 | 299. | 14.9 |
| %RSD | .22048 | .47914 | .15752 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9066.1 | 61970. | 9428.5 |
| #2 | 9088.2 | 62404. | 9443.5 |
| #3 | 9106.1 | 62542. | 9413.8 |

Sample Name: 460-111530-A-10-A@4 Acquired: 4/11/2016 16:02:11 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 38760. | 33.45 | 12.00 | 1279. | 2.924 | 10760. |
| Stddev | 401. | .91 | .64 | 8. | .105 | 145. |
| %RSD | 1.033 | 2.732 | 5.324 | .6055 | 3.588 | 1.349 |
| #1 | 38340. | 33.94 | 11.67 | 1270. | 2.803 | 10650. |
| #2 | 38790. | 32.39 | 12.74 | 1283. | 2.988 | 10700. |
| #3 | 39140. | 34.01 | 11.60 | 1283. | 2.982 | 10920. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.955 | 23.16 | 77.60 | 292.4 | 63260. | 2313. |
| Stddev | .076 | .38 | 1.30 | 2.7 | 735. | 19. |
| %RSD | 3.894 | 1.623 | 1.675 | .9162 | 1.162 | .8427 |
| #1 | 1.965 | 22.73 | 76.49 | 289.4 | 62680. | 2303. |
| #2 | 2.026 | 23.35 | 77.29 | 293.5 | 63030. | 2336. |
| #3 | 1.875 | 23.41 | 79.03 | 294.4 | 64090. | 2301. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-10-A@4 Acquired: 4/11/2016 16:02:11 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5878. | 1173. | 2866. | 56.57 | 3364. | 5.348 |
| Stddev | 90. | 14. | 18. | .79 | 47. | .884 |
| %RSD | 1.523 | 1.188 | .6135 | 1.399 | 1.384 | 16.54 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5794. | 1161. | 2847. | 55.67 | 3313. | 4.870 |
| #2 | 5868. | 1169. | 2867. | 57.18 | 3378. | 6.369 |
| #3 | 5972. | 1188. | 2882. | 56.84 | 3403. | 4.805 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.119 | 1.336 | 118.6 | 1435. | 7.656 | 3.577 |
| Stddev | 2.074 | .725 | 1.4 | 15. | .627 | .253 |
| %RSD | 40.51 | 54.29 | 1.171 | 1.048 | 8.194 | 7.072 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 7.237 | .9806 | 117.6 | 1419. | 6.962 | 3.434 |
| #2 | 3.092 | 2.170 | 118.1 | 1437. | 7.821 | 3.427 |
| #3 | 5.027 | .8563 | 120.2 | 1448. | 8.184 | 3.869 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-10-A@4 Acquired: 4/11/2016 16:02:11 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 116.1 | 178.8 | 738.0 | 1203. |
| Stddev | 1.4 | 1.3 | 6.7 | 34. |
| %RSD | 1.186 | .7110 | .9115 | 2.796 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 114.9 | 177.7 | 731.1 | 1165. |
| #2 | 115.9 | 178.6 | 738.3 | 1220. |
| #3 | 117.6 | 180.2 | 744.6 | 1226. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9033.7 | 61411. | 9347.4 |
| Stddev | 41.1 | 576. | 71.1 |
| %RSD | .45514 | .93735 | .76026 |

| | | | |
|----|--------|--------|--------|
| #1 | 9078.9 | 61510. | 9375.4 |
| #2 | 9023.4 | 61931. | 9400.2 |
| #3 | 8998.7 | 60793. | 9266.6 |

Sample Name: CCV Acquired: 4/11/2016 16:05:56 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 128200. | 2509. | 1258. | 10060. | 1059. | 127600. |
| Stddev | 118. | 2. | 2. | 12. | 1. | 409. |
| %RSD | .0921 | .0740 | .1614 | .1156 | .1298 | .3203 |

| | | | | | | |
|----|---------|-------|-------|--------|-------|---------|
| #1 | 128200. | 2509. | 1257. | 10060. | 1059. | 127800. |
| #2 | 128000. | 2512. | 1260. | 10080. | 1057. | 127900. |
| #3 | 128300. | 2508. | 1256. | 10060. | 1060. | 127100. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1245. | 2491. | 5237. | 12670. | 102700. | 50460. |
| Stddev | 2. | 1. | 12. | 13. | 233. | 40. |
| %RSD | .1502 | .0595 | .2336 | .0993 | .2270 | .0793 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1247. | 2492. | 5239. | 12690. | 102800. | 50420. |
| #2 | 1245. | 2491. | 5248. | 12670. | 102800. | 50450. |
| #3 | 1243. | 2489. | 5224. | 12670. | 102400. | 50500. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 16:05:56 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 129200. | 5275. | 130800. | 2516. | 7518. | 999.1 |
| Stddev | 281. | 9. | 336. | 3. | 5. | 2.0 |
| %RSD | .2176 | .1682 | .2570 | .1252 | .0628 | .1978 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 129300. | 5278. | 131200. | 2518. | 7524. | 1001. |
| #2 | 129400. | 5283. | 130500. | 2518. | 7516. | 997.0 |
| #3 | 128800. | 5265. | 130800. | 2513. | 7515. | 999.3 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2428. | 2460. | 2554. | 2517. | 989.4 | 2406. |
| Stddev | 5. | 7. | 5. | 7. | 2.1 | 4. |
| %RSD | .2181 | .2649 | .2035 | .2718 | .2133 | .1540 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2429. | 2453. | 2558. | 2525. | 987.3 | 2404. |
| #2 | 2422. | 2462. | 2556. | 2516. | 989.4 | 2411. |
| #3 | 2432. | 2465. | 2548. | 2511. | 991.5 | 2404. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 16:05:56 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 989.0 | 5123. | 10440. | 9765. |
| Stddev | 2.6 | 7. | 12. | 18. |
| %RSD | .2669 | .1361 | .1175 | .1797 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 988.0 | 5130. | 10440. | 9745. |
| #2 | 992.0 | 5117. | 10450. | 9776. |
| #3 | 987.0 | 5121. | 10420. | 9775. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8364.0 | 56484. | 8555.6 |
| Stddev | 22.2 | 303. | 32.2 |
| %RSD | .26488 | .53721 | .37687 |

| | | | |
|----|--------|--------|--------|
| #1 | 8338.4 | 56243. | 8525.1 |
| #2 | 8377.5 | 56383. | 8589.4 |
| #3 | 8376.1 | 56825. | 8552.2 |

Sample Name: CCB Acquired: 4/11/2016 16:09:23 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.080 | .3891 | -.7834 | .1899 | -.0364 | -35.27 |
| Stddev | 11.71 | 1.224 | .4930 | .2505 | .1279 | 2.39 |
| %RSD | 563.0 | 314.5 | 62.93 | 131.9 | 351.1 | 6.779 |

| | | | | | | |
|----|--------|--------|--------|-------|--------|--------|
| #1 | 11.43 | 1.289 | -.9044 | .4762 | .0966 | -33.70 |
| #2 | -8.354 | .8828 | -.2412 | .0825 | -.1585 | -34.09 |
| #3 | -9.320 | -1.004 | -1.205 | .0110 | -.0475 | -38.02 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0733 | .0278 | -.3813 | 1.597 | 10.31 | 7.241 |
| Stddev | .0599 | .0831 | .4886 | .134 | 3.33 | 28.60 |
| %RSD | 81.77 | 298.9 | 128.1 | 8.378 | 32.32 | 395.0 |

| | | | | | | |
|----|-------|--------|--------|-------|-------|--------|
| #1 | .0516 | .1086 | -.2125 | 1.443 | 13.36 | 27.07 |
| #2 | .0272 | -.0575 | -.9318 | 1.668 | 10.80 | 20.20 |
| #3 | .1410 | .0323 | .0005 | 1.681 | 6.756 | -25.55 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 16:09:23 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.727 | .1947 | 32.79 | .3163 | -.2684 | -1.194 |
| Stddev | 9.437 | .1764 | 17.46 | .1249 | .9511 | 2.049 |
| %RSD | 346.1 | 90.62 | 53.26 | 39.48 | 354.4 | 171.6 |
| #1 | 12.37 | .3884 | 52.95 | .3940 | .4977 | -3.198 |
| #2 | 2.299 | .1524 | 23.04 | .1722 | -1.333 | .8974 |
| #3 | -6.489 | .0433 | 22.37 | .3826 | .0301 | -1.283 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1903 | .0204 | -.1417 | -.0810 | 1.852 | .5285 |
| Stddev | 1.896 | .7163 | .0829 | .2262 | .285 | .1756 |
| %RSD | 996.5 | 3503. | 58.49 | 279.2 | 15.42 | 33.22 |
| #1 | .0617 | .3279 | -.0575 | .0976 | 2.110 | .7240 |
| #2 | 1.568 | -.7982 | -.2232 | -.3354 | 1.545 | .3840 |
| #3 | -2.200 | .5317 | -.1445 | -.0052 | 1.899 | .4776 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 16:09:23 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1122 | .2915 | .8473 | 1.722 |
| Stddev | .5365 | .3086 | .4642 | 9.913 |
| %RSD | 478.3 | 105.9 | 54.78 | 575.5 |

| | | | | |
|----|---------------|--------------|--------------|---------------|
| #1 | .2579 | .6460 | 1.383 | 3.936 |
| #2 | .5608 | .1456 | .5556 | -9.110 |
| #3 | -.4822 | .0828 | .6037 | 10.34 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9021.7 | 60623. | 8913.1 |
| Stddev | 32.4 | 207. | 42.5 |
| %RSD | .35910 | .34097 | .47663 |

| | | | |
|----|--------|--------|--------|
| #1 | 9054.5 | 60856. | 8882.4 |
| #2 | 9020.9 | 60549. | 8961.6 |
| #3 | 8989.7 | 60463. | 8895.3 |

Sample Name: CCVL Acquired: 4/11/2016 16:13:17 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 208.3 | 14.24 | 8.978 | 203.5 | 2.087 | 5067. |
| Stddev | 3.6 | 1.05 | .587 | .5 | .152 | 32. |
| %RSD | 1.705 | 7.343 | 6.533 | .2235 | 7.262 | .6371 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 210.0 | 14.34 | 8.536 | 203.0 | 2.231 | 5031. |
| #2 | 210.6 | 13.15 | 8.754 | 203.7 | 2.101 | 5076. |
| #3 | 204.2 | 15.24 | 9.644 | 203.8 | 1.929 | 5094. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.134 | 51.59 | 10.56 | 25.55 | 165.9 | 4949. |
| Stddev | .037 | .32 | .37 | .59 | 9.5 | 97. |
| %RSD | .8992 | .6167 | 3.502 | 2.299 | 5.734 | 1.952 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.093 | 51.22 | 10.87 | 25.63 | 155.8 | 4841. |
| #2 | 4.141 | 51.76 | 10.15 | 24.93 | 174.7 | 4980. |
| #3 | 4.166 | 51.79 | 10.67 | 26.10 | 167.1 | 5026. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 16:13:17 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5048. | 16.58 | 5115. | 42.29 | 10.85 | 17.65 |
| Stddev | 91. | .18 | 15. | .48 | 1.60 | 1.41 |
| %RSD | 1.796 | 1.094 | .2855 | 1.136 | 14.74 | 7.999 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4971. | 16.38 | 5100. | 42.38 | 9.798 | 16.03 |
| #2 | 5024. | 16.61 | 5117. | 41.77 | 12.69 | 18.31 |
| #3 | 5148. | 16.74 | 5129. | 42.72 | 10.06 | 18.61 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.57 | 18.90 | 51.50 | 31.38 | 49.71 | 19.30 |
| Stddev | 1.57 | 2.53 | .79 | .29 | .47 | .14 |
| %RSD | 7.623 | 13.39 | 1.535 | .9200 | .9535 | .7051 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 18.90 | 21.36 | 51.01 | 31.05 | 49.24 | 19.41 |
| #2 | 20.79 | 19.06 | 51.07 | 31.50 | 49.70 | 19.34 |
| #3 | 22.01 | 16.30 | 52.41 | 31.59 | 50.19 | 19.15 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 16:13:17 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 49.80 | 21.34 | 21.32 | F -7.811 |
| Stddev | .54 | .40 | .40 | 9.626 |
| %RSD | 1.091 | 1.861 | 1.854 | 123.2 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 49.19 | 20.88 | 20.97 | -.9070 |
| #2 | 50.23 | 21.58 | 21.23 | -3.719 |
| #3 | 49.98 | 21.55 | 21.75 | -18.81 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8885.0 | 60098. | 8824.3 |
| Stddev | 12.7 | 172. | 66.3 |
| %RSD | .14346 | .28683 | .75188 |

| | | | |
|----|--------|--------|--------|
| #1 | 8895.8 | 60200. | 8885.3 |
| #2 | 8888.2 | 60195. | 8834.0 |
| #3 | 8870.9 | 59899. | 8753.7 |

Sample Name: 460-111530-A-11-A@4 Acquired: 4/11/2016 16:17:09 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 38900. | 32.59 | 3.541 | 413.5 | 3.360 | 9483. |
| Stddev | 271. | .78 | .056 | 1.0 | .105 | 78. |
| %RSD | .6957 | 2.391 | 1.569 | .2373 | 3.123 | .8259 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 38640. | 31.74 | 3.531 | 412.5 | 3.240 | 9418. |
| #2 | 38890. | 33.28 | 3.601 | 413.6 | 3.432 | 9461. |
| #3 | 39180. | 32.76 | 3.491 | 414.4 | 3.409 | 9570. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.269 | 25.93 | 72.96 | 227.4 | 56250. | 2464. |
| Stddev | .042 | .10 | .54 | 2.8 | 312. | 11. |
| %RSD | 3.310 | .3845 | .7392 | 1.222 | .5550 | .4277 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 1.263 | 26.04 | 72.44 | 224.4 | 55970. | 2452. |
| #2 | 1.229 | 25.87 | 72.91 | 228.2 | 56200. | 2473. |
| #3 | 1.313 | 25.87 | 73.52 | 229.8 | 56590. | 2466. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-11-A@4 Acquired: 4/11/2016 16:17:09 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7158. | 1054. | 2016. | 57.48 | 2447. | 4.305 |
| Stddev | 95. | 7. | 16. | .56 | 28. | 2.162 |
| %RSD | 1.331 | .6204 | .8053 | .9656 | 1.129 | 50.22 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 7054. | 1048. | 2000. | 56.86 | 2417. | 2.723 |
| #2 | 7182. | 1053. | 2016. | 57.66 | 2453. | 6.769 |
| #3 | 7240. | 1061. | 2032. | 57.92 | 2471. | 3.424 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.782 | -2.762 | 106.7 | 954.3 | 6.278 | 2.795 |
| Stddev | 1.377 | 2.207 | 1.2 | 5.6 | .414 | .315 |
| %RSD | 20.30 | 79.88 | 1.091 | .5862 | 6.592 | 11.28 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 8.254 | -4.187 | 105.4 | 949.3 | 6.654 | 2.457 |
| #2 | 6.567 | -.2205 | 106.9 | 953.1 | 6.346 | 2.849 |
| #3 | 5.526 | -3.879 | 107.7 | 960.3 | 5.835 | 3.081 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-11-A@4 Acquired: 4/11/2016 16:17:09 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 83.30 | 142.9 | 759.1 | 1167. |
| Stddev | .88 | .9 | 4.3 | 8. |
| %RSD | 1.053 | .6642 | .5640 | .6721 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 82.95 | 142.1 | 754.6 | 1161. |
| #2 | 82.65 | 142.6 | 759.5 | 1176. |
| #3 | 84.30 | 143.9 | 763.1 | 1165. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9019.6 | 61158. | 9260.5 |
| Stddev | 18.5 | 113. | 47.1 |
| %RSD | .20491 | .18460 | .50872 |

| | | | |
|----|--------|--------|--------|
| #1 | 8998.4 | 61091. | 9263.1 |
| #2 | 9032.0 | 61288. | 9212.1 |
| #3 | 9028.5 | 61094. | 9306.2 |

Sample Name: 460-111530-A-12-A@4 Acquired: 4/11/2016 16:20:53 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 38550. | 38.13 | 5.500 | 954.2 | 3.526 | 9519. |
| Stddev | 146. | .85 | .432 | 1.9 | .098 | 38. |
| %RSD | .3782 | 2.238 | 7.859 | .2029 | 2.788 | .3984 |
| #1 | 38720. | 38.83 | 5.953 | 955.0 | 3.585 | 9562. |
| #2 | 38480. | 38.38 | 5.092 | 955.5 | 3.412 | 9504. |
| #3 | 38460. | 37.18 | 5.453 | 952.0 | 3.581 | 9491. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.513 | 25.40 | 71.66 | 234.8 | 52920. | 2411. |
| Stddev | .060 | .18 | .81 | 1.2 | 189. | 21. |
| %RSD | 3.955 | .7054 | 1.130 | .5132 | .3578 | .8727 |
| #1 | 1.471 | 25.21 | 72.45 | 233.5 | 53140. | 2412. |
| #2 | 1.582 | 25.40 | 70.83 | 235.9 | 52840. | 2389. |
| #3 | 1.487 | 25.57 | 71.69 | 235.0 | 52780. | 2431. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-12-A@4 Acquired: 4/11/2016 16:20:53 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6714. | 2144. | 1573. | 50.47 | 4064. | 3.006 |
| Stddev | 5. | 5. | 9. | .78 | 3. | .075 |
| %RSD | .0786 | .2124 | .5532 | 1.555 | .0753 | 2.499 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 6708. | 2149. | 1581. | 49.62 | 4066. | 3.083 |
| #2 | 6717. | 2144. | 1572. | 50.62 | 4064. | 3.001 |
| #3 | 6717. | 2140. | 1564. | 51.17 | 4060. | 2.933 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.948 | .4493 | 114.8 | 1192. | 6.319 | 3.949 |
| Stddev | .075 | 3.073 | 1.1 | 1. | .262 | .114 |
| %RSD | 1.268 | 683.9 | .9199 | .0693 | 4.149 | 2.887 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 6.035 | 2.948 | 113.7 | 1193. | 6.457 | 3.975 |
| #2 | 5.907 | -2.981 | 115.8 | 1192. | 6.484 | 3.825 |
| #3 | 5.902 | 1.381 | 114.9 | 1192. | 6.017 | 4.048 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-12-A@4 Acquired: 4/11/2016 16:20:53 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 119.1 | 150.0 | 788.1 | 1386. |
| Stddev | .8 | .2 | 1.6 | 9. |
| %RSD | .6719 | .1565 | .2089 | .6707 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 118.2 | 149.8 | 789.7 | 1375. |
| #2 | 119.6 | 150.2 | 788.2 | 1393. |
| #3 | 119.5 | 150.0 | 786.4 | 1389. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9065.4 | 61368. | 9332.1 |
| Stddev | 9.0 | 305. | 149.8 |
| %RSD | .09914 | .49720 | 1.6049 |

| | | | |
|----|--------|--------|--------|
| #1 | 9066.4 | 61016. | 9159.6 |
| #2 | 9073.9 | 61543. | 9429.7 |
| #3 | 9056.0 | 61545. | 9406.9 |

Sample Name: 460-111530-A-13-A@4 Acquired: 4/11/2016 16:24:38 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 43060. | 32.49 | 4.164 | 880.5 | 3.827 | 11970. |
| Stddev | 1161. | .04 | .143 | 21.2 | .129 | 331. |
| %RSD | 2.697 | .1360 | 3.444 | 2.405 | 3.374 | 2.762 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | 41960. | 32.54 | 4.070 | 858.2 | 3.681 | 11660. |
| #2 | 42940. | 32.47 | 4.329 | 882.8 | 3.872 | 11930. |
| #3 | 44270. | 32.46 | 4.092 | 900.4 | 3.927 | 12320. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.814 | 18.03 | 77.61 | 264.8 | 53130. | 2546. |
| Stddev | .018 | .59 | 2.26 | 7.1 | 1369. | 55. |
| %RSD | .6338 | 3.255 | 2.906 | 2.694 | 2.576 | 2.176 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 2.833 | 17.42 | 75.86 | 257.5 | 51810. | 2484. |
| #2 | 2.797 | 18.06 | 76.82 | 265.0 | 53030. | 2561. |
| #3 | 2.812 | 18.60 | 80.16 | 271.8 | 54540. | 2592. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-13-A@4 Acquired: 4/11/2016 16:24:38 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7536. | 370.0 | 1802. | 51.13 | 2722. | 4.300 |
| Stddev | 216. | 10.0 | 56. | 1.37 | 77. | 2.061 |
| %RSD | 2.870 | 2.693 | 3.117 | 2.681 | 2.816 | 47.93 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 7336. | 360.6 | 1746. | 49.64 | 2649. | 6.668 |
| #2 | 7506. | 368.9 | 1801. | 51.39 | 2714. | 2.907 |
| #3 | 7766. | 380.4 | 1858. | 52.35 | 2802. | 3.326 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.348 | .1916 | 131.7 | 947.2 | 10.06 | 2.299 |
| Stddev | 1.044 | .7638 | 3.8 | 19.8 | .16 | .308 |
| %RSD | 16.45 | 398.7 | 2.867 | 2.090 | 1.625 | 13.40 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|--------------|--------------|
| #1 | 7.203 | -.6283 | 128.2 | 926.6 | 9.876 | 1.980 |
| #2 | 6.656 | .8829 | 131.2 | 948.7 | 10.12 | 2.321 |
| #3 | 5.184 | .3202 | 135.7 | 966.1 | 10.19 | 2.596 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-13-A@4 Acquired: 4/11/2016 16:24:38 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 86.55 | 161.6 | 781.9 | 1236. |
| Stddev | 2.23 | 4.3 | 21.4 | 30. |
| %RSD | 2.579 | 2.686 | 2.735 | 2.438 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 84.47 | 157.3 | 760.8 | 1202. |
| #2 | 86.28 | 161.7 | 781.3 | 1251. |
| #3 | 88.91 | 165.9 | 803.6 | 1257. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9063.7 | 61712. | 9391.0 |
| Stddev | 31.4 | 316. | 59.2 |
| %RSD | .34612 | .51194 | .63019 |

| | | | |
|----|--------|--------|--------|
| #1 | 9028.9 | 61384. | 9357.9 |
| #2 | 9072.5 | 62014. | 9459.3 |
| #3 | 9089.8 | 61739. | 9355.8 |

Sample Name: 460-111530-A-14-A@4 Acquired: 4/11/2016 16:28:22 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36030. | 40.73 | 3.217 | 2008. | 3.633 | 15720. |
| Stddev | 724. | .53 | .056 | 29. | .111 | 229. |
| %RSD | 2.010 | 1.304 | 1.732 | 1.451 | 3.066 | 1.454 |
| #1 | 35260. | 40.31 | 3.279 | 1977. | 3.548 | 15470. |
| #2 | 36140. | 40.56 | 3.171 | 2012. | 3.592 | 15770. |
| #3 | 36700. | 41.33 | 3.200 | 2035. | 3.759 | 15920. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.948 | 21.55 | 75.34 | 756.4 | 51870. | 2315. |
| Stddev | .205 | .29 | 1.28 | 15.6 | 805. | 77. |
| %RSD | 5.201 | 1.326 | 1.693 | 2.068 | 1.552 | 3.318 |
| #1 | 3.715 | 21.24 | 73.95 | 740.1 | 50980. | 2242. |
| #2 | 4.103 | 21.61 | 75.63 | 757.8 | 52090. | 2307. |
| #3 | 4.027 | 21.81 | 76.45 | 771.3 | 52550. | 2395. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-14-A@4 Acquired: 4/11/2016 16:28:22 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7557. | 589.9 | 1955. | 60.28 | 7359. | 7.430 |
| Stddev | 176. | 9.6 | 47. | 1.04 | 113. | 1.181 |
| %RSD | 2.322 | 1.628 | 2.429 | 1.724 | 1.539 | 15.90 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 7357. | 579.4 | 1907. | 59.21 | 7239. | 8.789 |
| #2 | 7631. | 592.1 | 1956. | 60.35 | 7374. | 6.860 |
| #3 | 7684. | 598.2 | 2002. | 61.29 | 7464. | 6.642 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.83 | -2.461 | 132.3 | 1846. | 15.76 | 5.533 |
| Stddev | .79 | 3.082 | 3.0 | 25. | .44 | .115 |
| %RSD | 7.337 | 125.3 | 2.296 | 1.339 | 2.820 | 2.075 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|--------------|--------------|
| #1 | 10.96 | -5.995 | 129.0 | 1820. | 15.49 | 5.401 |
| #2 | 11.56 | -1.059 | 133.0 | 1848. | 16.28 | 5.607 |
| #3 | 9.984 | -.3279 | 134.9 | 1869. | 15.53 | 5.591 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-14-A@4 Acquired: 4/11/2016 16:28:22 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 88.89 | 204.0 | 726.6 | 1241. |
| Stddev | 1.82 | 4.1 | 13.1 | 14. |
| %RSD | 2.048 | 2.004 | 1.796 | 1.151 |

| | | | | |
|----|--------------|--------------|--------------|--------------|
| #1 | 86.87 | 199.5 | 712.6 | 1231. |
| #2 | 89.40 | 204.7 | 728.8 | 1236. |
| #3 | 90.40 | 207.6 | 738.5 | 1258. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9080.2 | 62041. | 9478.3 |
| Stddev | 17.4 | 477. | 103.5 |
| %RSD | .19130 | .76829 | 1.0916 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9060.3 | 61598. | 9359.9 |
| #2 | 9087.6 | 61980. | 9523.4 |
| #3 | 9092.6 | 62545. | 9551.5 |

Sample Name: 460-111530-A-15-A@4 Acquired: 4/11/2016 16:32:06 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49090. | 15.94 | -1.380 | 111.0 | 1.180 | 83040. |
| Stddev | 489. | .40 | .297 | .8 | .062 | 747. |
| %RSD | .9961 | 2.490 | 21.51 | .7645 | 5.281 | .8997 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 48580. | 15.88 | -1.721 | 110.0 | 1.113 | 82260. |
| #2 | 49140. | 15.57 | -1.182 | 111.2 | 1.190 | 83120. |
| #3 | 49560. | 16.36 | -1.238 | 111.7 | 1.236 | 83750. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.1880 | 58.89 | 30.12 | 212.9 | 125600. | 1853. |
| Stddev | .1432 | .37 | .64 | 1.7 | 996. | 36. |
| %RSD | 76.14 | .6216 | 2.126 | .7984 | .7932 | 1.925 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | -.0229 | 58.57 | 29.52 | 211.0 | 124600. | 1813. |
| #2 | -.2638 | 59.29 | 30.79 | 213.4 | 125700. | 1882. |
| #3 | -.2774 | 58.81 | 30.04 | 214.3 | 126600. | 1863. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-15-A@4 Acquired: 4/11/2016 16:32:06 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 31340. | 1750. | 6442. | 51.47 | 106.5 | 3.648 |
| Stddev | 294. | 15. | 79. | .31 | .7 | 1.658 |
| %RSD | .9386 | .8388 | 1.226 | .6034 | .6142 | 45.45 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 31040. | 1734. | 6369. | 51.13 | 106.6 | 1.991 |
| #2 | 31340. | 1753. | 6431. | 51.54 | 107.2 | 5.307 |
| #3 | 31630. | 1763. | 6526. | 51.74 | 105.9 | 3.646 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.820 | .7563 | 343.1 | 320.5 | 254.7 | 2.965 |
| Stddev | 1.614 | 1.541 | 2.6 | 4.1 | 3.0 | .140 |
| %RSD | 57.22 | 203.7 | .7483 | 1.265 | 1.186 | 4.726 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 4.683 | 1.703 | 340.3 | 316.2 | 251.6 | 3.030 |
| #2 | 1.929 | 1.587 | 343.8 | 321.0 | 254.9 | 3.061 |
| #3 | 1.849 | -1.022 | 345.3 | 324.2 | 257.6 | 2.804 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-15-A@4 Acquired: 4/11/2016 16:32:06 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.292 | 253.4 | 3011. | 693.6 |
| Stddev | .571 | 1.8 | 21. | 11.5 |
| %RSD | 6.891 | .7153 | .7037 | 1.655 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 7.963 | 251.5 | 2987. | 683.0 |
| #2 | 8.951 | 253.5 | 3017. | 705.8 |
| #3 | 7.961 | 255.1 | 3028. | 692.1 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8883.1 | 60400. | 9145.7 |
| Stddev | 26.6 | 159. | 95.0 |
| %RSD | .29961 | .26377 | 1.0385 |

| | | | |
|----|--------|--------|--------|
| #1 | 8912.6 | 60542. | 9232.7 |
| #2 | 8860.8 | 60430. | 9160.1 |
| #3 | 8876.0 | 60228. | 9044.4 |

Sample Name: 460-111530-A-16-A@4 Acquired: 4/11/2016 16:35:48 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 32620. | 33.31 | 9.545 | 961.2 | 2.980 | 8617. |
| Stddev | 97. | 1.36 | .178 | 2.2 | .070 | 18. |
| %RSD | .2982 | 4.080 | 1.868 | .2267 | 2.340 | .2042 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 32510. | 32.29 | 9.737 | 963.5 | 2.919 | 8599. |
| #2 | 32700. | 32.78 | 9.384 | 960.8 | 2.964 | 8620. |
| #3 | 32640. | 34.85 | 9.515 | 959.2 | 3.056 | 8633. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.553 | 21.86 | 68.66 | 272.3 | 57990. | 1889. |
| Stddev | .064 | .27 | .58 | 1.0 | 36. | 29. |
| %RSD | 2.502 | 1.218 | .8454 | .3709 | .0614 | 1.535 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 2.600 | 21.64 | 68.00 | 271.3 | 58000. | 1923. |
| #2 | 2.580 | 22.16 | 68.91 | 273.3 | 58020. | 1870. |
| #3 | 2.481 | 21.79 | 69.07 | 272.4 | 57950. | 1876. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-16-A@4 Acquired: 4/11/2016 16:35:48 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5481. | 2034. | 2405. | 65.11 | 3322. | 3.228 |
| Stddev | 35. | 1. | 8. | .75 | 20. | 1.886 |
| %RSD | .6375 | .0674 | .3169 | 1.156 | .5975 | 58.45 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5441. | 2034. | 2396. | 64.30 | 3300. | 3.798 |
| #2 | 5505. | 2033. | 2408. | 65.23 | 3327. | 1.122 |
| #3 | 5497. | 2035. | 2410. | 65.79 | 3339. | 4.763 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.187 | .3114 | 105.2 | 1572. | 8.161 | 4.219 |
| Stddev | 1.997 | 2.146 | .9 | 3. | .594 | .070 |
| %RSD | 27.78 | 689.0 | .8862 | .2068 | 7.281 | 1.651 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 5.255 | -2.057 | 104.6 | 1575. | 8.387 | 4.143 |
| #2 | 7.063 | .8661 | 104.7 | 1569. | 8.609 | 4.280 |
| #3 | 9.244 | 2.125 | 106.3 | 1574. | 7.487 | 4.234 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111530-A-16-A@4 Acquired: 4/11/2016 16:35:48 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 111.3 | 146.6 | 600.6 | 971.2 |
| Stddev | .3 | .3 | .9 | 20.5 |
| %RSD | .2443 | .1743 | .1580 | 2.114 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 111.4 | 146.6 | 601.7 | 991.8 |
| #2 | 111.6 | 146.8 | 600.0 | 950.7 |
| #3 | 111.0 | 146.3 | 600.0 | 971.0 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8985.7 | 60328. | 9062.9 |
| Stddev | 28.1 | 96. | 90.2 |
| %RSD | .31292 | .15989 | .99518 |

| | | | |
|----|--------|--------|--------|
| #1 | 8957.0 | 60217. | 9166.8 |
| #2 | 9013.2 | 60374. | 9005.6 |
| #3 | 8987.0 | 60393. | 9016.1 |

Sample Name: pds 460-111859-G-2-A Acquired: 4/11/2016 16:39:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2053. | 1991. | 54.35 | 2119. | 54.68 | 31290. |
| Stddev | 8. | 6. | .06 | 2. | .28 | 58. |
| %RSD | .3957 | .3019 | .1034 | .1103 | .5192 | .1848 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 2055. | 1985. | 54.30 | 2120. | 54.37 | 31340. |
| #2 | 2044. | 1997. | 54.41 | 2120. | 54.74 | 31230. |
| #3 | 2060. | 1990. | 54.34 | 2116. | 54.92 | 31310. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49.65 | 509.8 | 221.0 | 255.0 | 46210. | 21220. |
| Stddev | .04 | .9 | 1.5 | 1.6 | 27. | 22. |
| %RSD | .0874 | .1706 | .6757 | .6443 | .0584 | .1018 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 49.70 | 510.1 | 221.3 | 255.5 | 46240. | 21200. |
| #2 | 49.62 | 510.5 | 219.3 | 253.1 | 46220. | 21210. |
| #3 | 49.64 | 508.8 | 222.3 | 256.3 | 46180. | 21240. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds 460-111859-G-2-A Acquired: 4/11/2016 16:39:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26080. | 1742. | 35320. | 516.6 | 509.9 | 492.1 |
| Stddev | 51. | 1. | 52. | 1.4 | 1.7 | 1.8 |
| %RSD | .1950 | .0565 | .1476 | .2745 | .3339 | .3648 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 26140. | 1742. | 35260. | 515.5 | 510.4 | 490.1 |
| #2 | 26070. | 1741. | 35320. | 518.2 | 511.2 | 492.8 |
| #3 | 26040. | 1743. | 35360. | 516.0 | 508.0 | 493.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1946. | 2054. | 520.5 | 514.9 | 538.5 | 483.2 |
| Stddev | 7. | 5. | 3.5 | 1.3 | 2.3 | 1.6 |
| %RSD | .3782 | .2403 | .6779 | .2437 | .4192 | .3252 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1940. | 2050. | 521.3 | 515.8 | 536.1 | 482.8 |
| #2 | 1954. | 2059. | 516.6 | 515.4 | 540.6 | 484.9 |
| #3 | 1943. | 2052. | 523.6 | 513.5 | 538.7 | 481.9 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds 460-111859-G-2-A Acquired: 4/11/2016 16:39:33 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 509.6 | 631.4 | 535.5 | 4814. |
| Stddev | 1.4 | 1.2 | .5 | 71. |
| %RSD | .2670 | .1942 | .0955 | 1.482 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 511.2 | 630.4 | 535.8 | 4732. |
| #2 | 509.0 | 630.9 | 534.9 | 4852. |
| #3 | 508.7 | 632.7 | 535.8 | 4859. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8791.3 | 59118. | 8801.6 |
| Stddev | 16.5 | 79. | 68.7 |
| %RSD | .18752 | .13407 | .78021 |

| | | | |
|----|--------|--------|--------|
| #1 | 8791.7 | 59028. | 8800.8 |
| #2 | 8774.6 | 59177. | 8733.4 |
| #3 | 8807.6 | 59148. | 8870.7 |

Sample Name: 460-111859-G-2-B MS Acquired: 4/11/2016 16:43:05 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2049. | 1994. | 49.42 | 2110. | 54.76 | 31370. |
| Stddev | 10. | 8. | .89 | 4. | .36 | 142. |
| %RSD | .4680 | .4099 | 1.803 | .1724 | .6505 | .4536 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 2046. | 2003. | 49.73 | 2113. | 54.67 | 31210. |
| #2 | 2041. | 1989. | 50.12 | 2106. | 55.15 | 31490. |
| #3 | 2060. | 1988. | 48.42 | 2112. | 54.45 | 31400. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49.39 | 507.0 | 219.6 | 255.0 | 46690. | 21150. |
| Stddev | .28 | .5 | .9 | 1.3 | 153. | 47. |
| %RSD | .5653 | .0969 | .3938 | .4988 | .3275 | .2209 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 49.55 | 507.0 | 218.7 | 256.3 | 46570. | 21100. |
| #2 | 49.57 | 507.4 | 220.5 | 254.7 | 46860. | 21140. |
| #3 | 49.07 | 506.4 | 219.5 | 253.8 | 46650. | 21200. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-G-2-B MS Acquired: 4/11/2016 16:43:05 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26010. | 1749. | 35330. | 515.7 | 510.5 | 500.6 |
| Stddev | 83. | 5. | 57. | .4 | 2.4 | 3.4 |
| %RSD | .3209 | .2765 | .1605 | .0712 | .4610 | .6741 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 25930. | 1744. | 35360. | 515.7 | 507.9 | 503.1 |
| #2 | 26100. | 1754. | 35370. | 516.1 | 512.6 | 496.8 |
| #3 | 25990. | 1750. | 35260. | 515.4 | 510.9 | 501.9 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1924. | 2031. | 521.8 | 515.2 | 531.7 | 478.5 |
| Stddev | 16. | 12. | .7 | 4.0 | 4.3 | 3.1 |
| %RSD | .8283 | .5778 | .1294 | .7768 | .8069 | .6487 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1942. | 2044. | 522.6 | 511.7 | 536.5 | 482.0 |
| #2 | 1912. | 2022. | 521.6 | 519.6 | 528.1 | 476.3 |
| #3 | 1919. | 2026. | 521.3 | 514.2 | 530.6 | 477.1 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-G-2-B MS Acquired: 4/11/2016 16:43:05 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 504.4 | 630.6 | 532.1 | 4929. |
| Stddev | 2.7 | 1.6 | .9 | 84. |
| %RSD | .5450 | .2566 | .1677 | 1.698 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 506.6 | 631.8 | 532.8 | 4980. |
| #2 | 505.2 | 631.2 | 532.5 | 4975. |
| #3 | 501.3 | 628.8 | 531.1 | 4832. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8752.0 | 58936. | 8783.9 |
| Stddev | 47.3 | 381. | 148.0 |
| %RSD | .54026 | .64608 | 1.6854 |

| | | | |
|----|--------|--------|--------|
| #1 | 8778.6 | 59345. | 8934.5 |
| #2 | 8697.4 | 58592. | 8778.6 |
| #3 | 8780.0 | 58870. | 8638.6 |

Sample Name: 460-111859-A-2-A DU Acquired: 4/11/2016 16:46:36 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.15 | 3.786 | -.6721 | 111.4 | -.1994 | 11090. |
| Stddev | 8.88 | 1.027 | .2931 | .2 | .0364 | 49. |
| %RSD | 55.02 | 27.13 | 43.61 | .2054 | 18.24 | .4404 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 25.61 | 4.707 | -.3423 | 111.6 | -.2408 | 11030. |
| #2 | 14.84 | 2.679 | -.9028 | 111.2 | -.1849 | 11120. |
| #3 | 7.990 | 3.973 | -.7711 | 111.5 | -.1725 | 11110. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8584 | 1.365 | 2.518 | .6107 | 45900. | 2647. |
| Stddev | .0950 | .334 | .360 | .2545 | 143. | 16. |
| %RSD | 11.07 | 24.45 | 14.31 | 41.67 | .3112 | .6109 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.8288 | 1.739 | 2.773 | .8033 | 45740. | 2631. |
| #2 | -.9646 | 1.260 | 2.106 | .7066 | 45970. | 2648. |
| #3 | -.7817 | 1.097 | 2.674 | .3222 | 45990. | 2663. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-A-2-A DU Acquired: 4/11/2016 16:46:36 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6034. | 1228. | 14590. | 1.325 | -.6344 | 1.292 |
| Stddev | 22. | 4. | 33. | .805 | .8049 | 1.491 |
| %RSD | .3603 | .3396 | .2270 | 60.79 | 126.9 | 115.4 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|-------|
| #1 | 6010. | 1224. | 14550. | 1.811 | -.8283 | .6980 |
| #2 | 6044. | 1230. | 14600. | 1.769 | .2497 | .1902 |
| #3 | 6050. | 1232. | 14610. | .3953 | -1.325 | 2.988 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .5694 | .1022 | 2.089 | 3.532 | 30.67 | .2822 |
| Stddev | 1.986 | 1.586 | .159 | .081 | .12 | .3072 |
| %RSD | 348.8 | 1552. | 7.597 | 2.280 | .4048 | 108.9 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | -1.623 | .1536 | 2.104 | 3.624 | 30.80 | .2622 |
| #2 | 2.248 | 1.661 | 2.240 | 3.501 | 30.67 | -.0145 |
| #3 | 1.083 | -1.509 | 1.923 | 3.472 | 30.55 | .5989 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-A-2-A DU Acquired: 4/11/2016 16:46:36 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.2802 | 124.0 | -.5839 | 4947. |
| Stddev | .3264 | .9 | .1564 | 49. |
| %RSD | 116.5 | .6921 | 26.78 | .9897 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.6035 | 123.1 | -.4174 | 4904. |
| #2 | .0492 | 124.7 | -.7276 | 4937. |
| #3 | -.2864 | 124.3 | -.6067 | 5000. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8876.1 | 59809. | 8931.4 |
| Stddev | 33.9 | 174. | 18.3 |
| %RSD | .38137 | .29075 | .20470 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8885.3 | 60000. | 8952.2 |
| #2 | 8904.5 | 59766. | 8923.6 |
| #3 | 8838.6 | 59660. | 8918.2 |

Sample Name: 460-111859-G-2-A Acquired: 4/11/2016 16:50:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.70 | 4.143 | -.2086 | 112.7 | -.0459 | 11250. |
| Stddev | 2.84 | .366 | .1412 | .4 | .1535 | 26. |
| %RSD | 16.06 | 8.840 | 67.69 | .3338 | 334.5 | .2274 |
| #1 | 19.59 | 3.766 | -.0875 | 112.4 | .1308 | 11280. |
| #2 | 19.07 | 4.167 | -.3637 | 113.1 | -.1220 | 11240. |
| #3 | 14.43 | 4.498 | -.1746 | 112.5 | -.1464 | 11230. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8968 | 1.654 | 1.827 | .2715 | 46480. | 2665. |
| Stddev | .0547 | .086 | .149 | .2751 | 40. | 29. |
| %RSD | 6.103 | 5.195 | 8.185 | 101.3 | .0853 | 1.079 |
| #1 | -.9582 | 1.570 | 1.814 | .1550 | 46520. | 2651. |
| #2 | -.8532 | 1.650 | 1.982 | .0737 | 46490. | 2698. |
| #3 | -.8790 | 1.741 | 1.684 | .5856 | 46440. | 2646. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-G-2-A Acquired: 4/11/2016 16:50:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6111. | 1244. | 14770. | 1.033 | .4244 | -.0805 |
| Stddev | 25. | 1. | 18. | .252 | 1.130 | 1.104 |
| %RSD | .4068 | .0812 | .1229 | 24.35 | 266.3 | 1373. |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 6088. | 1245. | 14790. | 1.324 | -.6797 | -1.271 |
| #2 | 6137. | 1244. | 14770. | .8968 | 1.579 | .9096 |
| #3 | 6108. | 1244. | 14760. | .8794 | .3738 | .1203 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .9325 | 3.539 | 1.962 | 3.655 | 30.20 | -.0633 |
| Stddev | 1.152 | 2.113 | .305 | .118 | .52 | .1440 |
| %RSD | 123.6 | 59.71 | 15.53 | 3.219 | 1.722 | 227.4 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|--------|
| #1 | .6650 | 1.710 | 1.639 | 3.544 | 30.70 | -.1713 |
| #2 | -.0627 | 5.852 | 2.000 | 3.644 | 30.25 | -.1189 |
| #3 | 2.195 | 3.055 | 2.245 | 3.778 | 29.66 | .1002 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-G-2-A Acquired: 4/11/2016 16:50:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0027 | 125.4 | -.6934 | 4959. |
| Stddev | .7212 | 1.0 | .3059 | 84. |
| %RSD | 26550. | .8275 | 44.11 | 1.701 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.3930 | 124.2 | -.7333 | 4868. |
| #2 | .8295 | 126.2 | -.3696 | 4975. |
| #3 | -.4447 | 125.6 | -.9774 | 5035. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8890.5 | 59707. | 8890.7 |
| Stddev | 10.2 | 113. | 69.7 |
| %RSD | .11523 | .18898 | .78419 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8887.8 | 59580. | 8815.9 |
| #2 | 8881.9 | 59746. | 8902.2 |
| #3 | 8901.8 | 59795. | 8953.9 |

Sample Name: CCV Acquired: 4/11/2016 16:54:19 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 125900. | 2473. | 1234. | 9868. | 1045. | 124100. |
| Stddev | 167. | 7. | 2. | 2. | 1. | 298. |
| %RSD | .1323 | .2815 | .1783 | .0193 | .1195 | .2398 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 125900. | 2481. | 1233. | 9869. | 1047. | 123800. |
| #2 | 126100. | 2471. | 1233. | 9869. | 1044. | 124100. |
| #3 | 125700. | 2468. | 1237. | 9865. | 1045. | 124400. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1219. | 2442. | 5123. | 12530. | 100200. | 49630. |
| Stddev | 1. | 1. | 4. | 48. | 124. | 146. |
| %RSD | .0726 | .0442 | .0703 | .3818 | .1235 | .2943 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1218. | 2443. | 5127. | 12580. | 100000. | 49520. |
| #2 | 1219. | 2442. | 5121. | 12520. | 100300. | 49800. |
| #3 | 1219. | 2441. | 5121. | 12490. | 100200. | 49590. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 16:54:19 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 125800. | 5150. | 129000. | 2467. | 7373. | 985.5 |
| Stddev | 256. | 6. | 357. | 3. | 9. | 2.2 |
| %RSD | .2037 | .1099 | .2767 | .1359 | .1267 | .2232 |

| | | | | | | |
|----|----------------|--------------|----------------|--------------|--------------|--------------|
| #1 | 125500. | 5144. | 129200. | 2470. | 7364. | 983.7 |
| #2 | 125900. | 5155. | 129100. | 2468. | 7373. | 984.9 |
| #3 | 126000. | 5151. | 128600. | 2464. | 7382. | 988.0 |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2387. | 2419. | 2503. | 2452. | 976.0 | 2359. |
| Stddev | 17. | 10. | 3. | 10. | 1.5 | 3. |
| %RSD | .7253 | .3956 | .1232 | .3898 | .1542 | .1395 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 2392. | 2409. | 2504. | 2442. | 976.4 | 2362. |
| #2 | 2368. | 2422. | 2506. | 2460. | 974.4 | 2361. |
| #3 | 2401. | 2427. | 2500. | 2455. | 977.3 | 2356. |

| | | | | | | |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 16:54:19 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 971.0 | 5041. | 10250. | 9672. |
| Stddev | 1.4 | 13. | 19. | 38. |
| %RSD | .1428 | .2560 | .1834 | .3979 |

| | | | | |
|----|--------------|--------------|---------------|--------------|
| #1 | 969.4 | 5047. | 10260. | 9698. |
| #2 | 971.8 | 5050. | 10260. | 9689. |
| #3 | 971.8 | 5026. | 10230. | 9627. |

| | | | | |
|---------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8414.5 | 57284. | 8634.6 |
| Stddev | 10.4 | 86. | 55.7 |
| %RSD | .12360 | .15067 | .64514 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8404.4 | 57230. | 8696.8 |
| #2 | 8413.9 | 57383. | 8617.6 |
| #3 | 8425.2 | 57238. | 8589.4 |

Sample Name: CCB Acquired: 4/11/2016 16:57:46 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.704 | .4328 | -.2043 | .2562 | -.1033 | -44.94 |
| Stddev | 8.291 | 1.394 | .1540 | .2209 | .1785 | 4.27 |
| %RSD | 107.6 | 322.0 | 75.40 | 86.24 | 172.8 | 9.495 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 16.89 | .7786 | -.3684 | .3766 | .0936 | -40.65 |
| #2 | 5.432 | -1.101 | -.0628 | .3906 | -.2545 | -49.18 |
| #3 | .7866 | 1.621 | -.1816 | .0012 | -.1490 | -44.97 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0534 | .1517 | .1078 | 1.567 | 12.05 | 15.71 |
| Stddev | .0976 | .1753 | .2326 | .320 | 8.78 | 32.17 |
| %RSD | 182.7 | 115.5 | 215.8 | 20.41 | 72.83 | 204.8 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | .1434 | .3166 | .3749 | 1.630 | 22.04 | 20.44 |
| #2 | .0670 | .1710 | -.0015 | 1.851 | 5.573 | -18.56 |
| #3 | -.0502 | -.0324 | -.0501 | 1.221 | 8.542 | 45.25 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 16:57:46 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.798 | .2205 | 44.13 | -.0355 | .4924 | -.6156 |
| Stddev | 1.991 | .1816 | 19.42 | .3086 | 2.052 | 1.724 |
| %RSD | 52.41 | 82.36 | 44.02 | 870.1 | 416.7 | 280.0 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 5.258 | .4296 | 66.28 | .2667 | 1.073 | -.9042 |
| #2 | 4.606 | .1295 | 36.08 | -.3500 | 2.191 | 1.234 |
| #3 | 1.531 | .1024 | 30.02 | -.0231 | -1.787 | -2.177 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.461 | .5020 | .1799 | -.0177 | 2.373 | .9547 |
| Stddev | 3.902 | .7050 | .3064 | .1336 | .229 | .3104 |
| %RSD | 267.0 | 140.4 | 170.4 | 754.8 | 9.646 | 32.52 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|-------|
| #1 | 5.628 | -.2281 | .5123 | .1348 | 2.636 | .6365 |
| #2 | -2.106 | .5551 | .1183 | -.1143 | 2.225 | .9708 |
| #3 | .8617 | 1.179 | -.0911 | -.0736 | 2.258 | 1.257 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 16:57:46 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2160 | .3387 | 1.017 | -.7982 |
| Stddev | .2802 | .2845 | .218 | 6.495 |
| %RSD | 129.8 | 84.00 | 21.47 | 813.7 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .2392 | .6668 | 1.201 | -7.815 |
| #2 | -.0752 | .1593 | 1.074 | .4172 |
| #3 | .4838 | .1900 | .7758 | 5.003 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9003.8 | 60831. | 8894.9 |
| Stddev | 10.9 | 273. | 80.5 |
| %RSD | .12151 | .44932 | .90474 |

| | | | |
|----|--------|--------|--------|
| #1 | 9008.6 | 60531. | 8852.0 |
| #2 | 8991.2 | 61066. | 8845.0 |
| #3 | 9011.4 | 60897. | 8987.8 |

Sample Name: CCVL Acquired: 4/11/2016 17:01:40 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 206.9 | 14.15 | 9.223 | 200.9 | 2.077 | 5030. |
| Stddev | 2.4 | .54 | .316 | .4 | .041 | 28. |
| %RSD | 1.147 | 3.834 | 3.430 | .1861 | 1.948 | .5649 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 207.8 | 13.62 | 9.536 | 200.9 | 2.093 | 5017. |
| #2 | 208.8 | 14.13 | 8.904 | 201.3 | 2.031 | 5011. |
| #3 | 204.2 | 14.71 | 9.230 | 200.6 | 2.107 | 5063. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.984 | 50.95 | 10.98 | 25.97 | 169.7 | 4943. |
| Stddev | .093 | .36 | .31 | .41 | 7.2 | 33. |
| %RSD | 2.332 | .7034 | 2.784 | 1.595 | 4.258 | .6576 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.090 | 51.13 | 10.74 | 25.72 | 161.4 | 4962. |
| #2 | 3.945 | 51.18 | 10.88 | 26.44 | 173.4 | 4906. |
| #3 | 3.917 | 50.54 | 11.32 | 25.73 | 174.4 | 4962. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 17:01:40 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5056. | 16.57 | 5104. | 41.13 | 10.53 | 17.99 |
| Stddev | 89. | .20 | 19. | .44 | 1.55 | .81 |
| %RSD | 1.761 | 1.236 | .3670 | 1.070 | 14.71 | 4.481 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4963. | 16.35 | 5084. | 41.06 | 11.49 | 18.88 |
| #2 | 5067. | 16.59 | 5107. | 41.60 | 8.746 | 17.32 |
| #3 | 5140. | 16.76 | 5122. | 40.73 | 11.37 | 17.75 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.95 | 18.06 | 51.40 | 30.75 | 49.15 | 18.96 |
| Stddev | 2.24 | 1.58 | .80 | .65 | .28 | .20 |
| %RSD | 10.68 | 8.761 | 1.554 | 2.111 | .5716 | 1.076 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 22.93 | 19.69 | 50.49 | 30.52 | 48.87 | 18.98 |
| #2 | 18.52 | 17.95 | 51.76 | 31.48 | 49.14 | 19.15 |
| #3 | 21.40 | 16.53 | 51.96 | 30.25 | 49.43 | 18.74 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 17:01:40 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|-----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.63 | 21.29 | 21.12 | F -2.937 |
| Stddev | .36 | .12 | .41 | 14.95 |
| %RSD | .7409 | .5765 | 1.922 | 509.2 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 48.46 | 21.15 | 20.66 | -9.560 |
| #2 | 49.04 | 21.31 | 21.30 | 14.19 |
| #3 | 48.38 | 21.39 | 21.41 | -13.44 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8957.5 | 60171. | 8899.8 |
| Stddev | 16.9 | 356. | 71.8 |
| %RSD | .18860 | .59149 | .80691 |

| | | | |
|----|--------|--------|--------|
| #1 | 8977.0 | 60231. | 8902.7 |
| #2 | 8946.5 | 60494. | 8970.1 |
| #3 | 8949.0 | 59790. | 8826.6 |

Sample Name: sd460-111859-G-2-A@5 Acquired: 4/11/2016 17:05:32 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.507 | 1.337 | -.3890 | 22.41 | -.1066 | 2237. |
| Stddev | 3.668 | 1.320 | .2938 | .14 | .0355 | 6. |
| %RSD | 56.36 | 98.72 | 75.52 | .6046 | 33.33 | .2710 |
| #1 | 4.746 | .4528 | -.5321 | 22.35 | -.1027 | 2231. |
| #2 | 4.053 | 2.855 | -.0511 | 22.56 | -.0731 | 2236. |
| #3 | 10.72 | .7042 | -.5838 | 22.31 | -.1439 | 2243. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2515 | .1772 | -.0772 | .8364 | 9678. | 514.9 |
| Stddev | .0657 | .2051 | .2875 | .2608 | 68. | 32.5 |
| %RSD | 26.11 | 115.7 | 372.7 | 31.18 | .6990 | 6.310 |
| #1 | -.3085 | .3209 | .1244 | .7105 | 9601. | 482.7 |
| #2 | -.2662 | .2684 | -.4064 | 1.136 | 9725. | 547.6 |
| #3 | -.1797 | -.0576 | .0505 | .6625 | 9708. | 514.3 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111859-G-2-A@5 Acquired: 4/11/2016 17:05:32 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1225. | 250.8 | 3023. | .3457 | .2552 | .3917 |
| Stddev | 15. | .4 | 26. | .4687 | .4812 | .2888 |
| %RSD | 1.217 | .1463 | .8568 | 135.6 | 188.6 | 73.74 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|-------|
| #1 | 1212. | 250.9 | 2994. | .8188 | .7399 | .5318 |
| #2 | 1221. | 250.4 | 3032. | -.1186 | .2479 | .5837 |
| #3 | 1241. | 251.1 | 3044. | .3369 | -.2223 | .0595 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .9586 | -.7948 | .4849 | .7435 | 6.755 | -.4691 |
| Stddev | 1.655 | 1.514 | .0710 | .1378 | .447 | .3165 |
| %RSD | 172.6 | 190.5 | 14.64 | 18.53 | 6.612 | 67.45 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | 1.179 | -.4706 | .4688 | .7093 | 6.710 | -.6181 |
| #2 | 2.492 | .5310 | .4234 | .6260 | 6.333 | -.6836 |
| #3 | -.7955 | -2.445 | .5625 | .8951 | 7.223 | -.1057 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111859-G-2-A@5 Acquired: 4/11/2016 17:05:32 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1728 | 24.64 | -.5531 | 958.3 |
| Stddev | .3813 | .24 | .1230 | 33.5 |
| %RSD | 220.7 | .9582 | 22.24 | 3.498 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.6110 | 24.45 | -.4579 | 919.6 |
| #2 | .0094 | 24.58 | -.5094 | 977.0 |
| #3 | .0833 | 24.91 | -.6920 | 978.4 |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8936.1 | 59853. | 8908.5 |
| Stddev | 53.8 | 630. | 73.8 |
| %RSD | .60222 | 1.0521 | .82882 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8982.9 | 60421. | 8958.6 |
| #2 | 8948.1 | 59963. | 8943.2 |
| #3 | 8877.3 | 59176. | 8823.7 |

Sample Name: MB 460-361681/1-A Acquired: 4/11/2016 17:09:23 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.264 | -.8344 | -.2863 | -.0694 | -.1503 | -40.69 |
| Stddev | 12.26 | 2.449 | .2590 | .0863 | .0638 | 4.01 |
| %RSD | 375.7 | 293.5 | 90.48 | 124.3 | 42.47 | 9.853 |

| | | | | | | |
|----|---------------|---------------|---------------|---------------|---------------|---------------|
| #1 | -8.033 | 1.972 | -.1791 | -.1270 | -.1349 | -36.59 |
| #2 | 10.67 | -1.935 | -.0980 | .0298 | -.2205 | -44.60 |
| #3 | -12.43 | -2.541 | -.5817 | -.1110 | -.0956 | -40.87 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0382 | -.1044 | -.3219 | .6656 | 11.99 | -.1170 |
| Stddev | .0263 | .1161 | .4814 | .5538 | 3.97 | 12.80 |
| %RSD | 68.79 | 111.2 | 149.5 | 83.20 | 33.09 | 10940. |

| | | | | | | |
|----|---------------|---------------|---------------|--------------|--------------|---------------|
| #1 | -.0634 | -.1015 | .0349 | .0869 | 16.05 | 12.11 |
| #2 | -.0403 | .0102 | -.1312 | 1.191 | 8.124 | -13.42 |
| #3 | -.0110 | -.2219 | -.8695 | .7194 | 11.80 | .9602 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361681/1-A Acquired: 4/11/2016 17:09:23 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0323 | .1104 | 9.051 | -.2699 | .4196 | .1518 |
| Stddev | 2.387 | .0663 | 5.059 | .6488 | .8304 | .8125 |
| %RSD | 7399. | 60.04 | 55.89 | 240.4 | 197.9 | 535.1 |

| | | | | | | |
|----|--------|-------|-------|--------|--------|--------|
| #1 | 1.782 | .1021 | 14.87 | .4353 | -.5134 | -.3140 |
| #2 | 1.003 | .0487 | 5.730 | -.8415 | 1.078 | 1.090 |
| #3 | -2.688 | .1805 | 6.551 | -.4034 | .6945 | -.3205 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .9548 | -1.782 | -.2501 | .1999 | 5.373 | -.6070 |
| Stddev | 1.601 | .465 | .1784 | .0228 | .237 | .2668 |
| %RSD | 167.7 | 26.10 | 71.34 | 11.41 | 4.410 | 43.95 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | -.2041 | -1.659 | -.3576 | .2228 | 5.295 | -.5796 |
| #2 | .2867 | -1.391 | -.3485 | .1997 | 5.185 | -.8864 |
| #3 | 2.782 | -2.296 | -.0442 | .1772 | 5.639 | -.3550 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361681/1-A Acquired: 4/11/2016 17:09:23 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0383 | .0627 | -.7627 | 32.06 |
| Stddev | .5023 | .0552 | .1303 | 4.32 |
| %RSD | 1312. | 88.03 | 17.08 | 13.47 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | .4678 | .0456 | -.6572 | 30.67 |
| #2 | -.0460 | .0181 | -.9084 | 28.61 |
| #3 | -.5367 | .1244 | -.7226 | 36.90 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8890.3 | 59904. | 8791.6 |
| Stddev | 40.6 | 407. | 137.1 |
| %RSD | .45714 | .67895 | 1.5599 |

| | | | |
|----|--------|--------|--------|
| #1 | 8859.4 | 59438. | 8633.5 |
| #2 | 8936.4 | 60083. | 8878.7 |
| #3 | 8875.3 | 60190. | 8862.6 |

Sample Name: LCS 460-361681/2-A Acquired: 4/11/2016 17:13:17 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2023. | 1951. | 47.72 | 1971. | 53.61 | 19940. |
| Stddev | 5. | 8. | .66 | 1. | .17 | 68. |
| %RSD | .2237 | .4132 | 1.379 | .0538 | .3209 | .3396 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 2026. | 1951. | 47.60 | 1970. | 53.80 | 19940. |
| #2 | 2026. | 1959. | 47.12 | 1972. | 53.48 | 19870. |
| #3 | 2018. | 1943. | 48.42 | 1970. | 53.54 | 20000. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49.75 | 497.8 | 212.4 | 245.3 | 1055. | 18210. |
| Stddev | .12 | 1.1 | 1.2 | .4 | 12. | 108. |
| %RSD | .2350 | .2127 | .5451 | .1579 | 1.179 | .5929 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 49.63 | 497.8 | 213.6 | 245.8 | 1049. | 18090. |
| #2 | 49.86 | 498.9 | 211.3 | 245.3 | 1047. | 18230. |
| #3 | 49.77 | 496.8 | 212.5 | 245.0 | 1070. | 18310. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: LCS 460-361681/2-A Acquired: 4/11/2016 17:13:17 Type: QC

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19880. | 530.1 | 20420. | 508.3 | 502.3 | 493.3 |
| Stddev | 89. | 1.6 | 37. | 2.6 | 2.4 | 4.9 |
| %RSD | .4469 | .2956 | .1832 | .5070 | .4682 | .9838 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 19890. | 531.0 | 20380. | 510.4 | 502.2 | 497.2 |
| #2 | 19780. | 528.3 | 20450. | 509.1 | 504.7 | 494.9 |
| #3 | 19950. | 531.1 | 20450. | 505.5 | 500.0 | 487.9 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1900. | 2013. | 513.2 | 505.8 | 498.5 | 473.8 |
| Stddev | 12. | 14. | 1.3 | 1.3 | 3.5 | 3.1 |
| %RSD | .6342 | .6767 | .2480 | .2666 | .6970 | .6606 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 1905. | 2019. | 514.2 | 504.3 | 500.2 | 475.3 |
| #2 | 1908. | 2023. | 511.8 | 507.0 | 500.9 | 475.9 |
| #3 | 1886. | 1997. | 513.7 | 506.2 | 494.5 | 470.2 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: LCS 460-361681/2-A Acquired: 4/11/2016 17:13:17 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 494.5 | 503.7 | 524.1 | 75.70 |
| Stddev | 2.5 | .4 | .7 | 3.24 |
| %RSD | .5124 | .0720 | .1272 | 4.278 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 495.7 | 503.3 | 524.8 | 74.33 |
| #2 | 496.2 | 503.7 | 523.9 | 79.39 |
| #3 | 491.6 | 504.1 | 523.5 | 73.36 |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8809.0 | 59116. | 8837.5 |
| Stddev | 12.4 | 239. | 60.1 |
| %RSD | .14065 | .40447 | .68023 |

| | | | |
|----|--------|--------|--------|
| #1 | 8807.9 | 59005. | 8881.9 |
| #2 | 8797.2 | 59391. | 8861.4 |
| #3 | 8821.9 | 58953. | 8769.1 |

Sample Name: 460-111781-E-2-A Acquired: 4/11/2016 17:16:48 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.391 | -.6321 | -.3943 | .3663 | -.1480 | 9.905 |
| Stddev | 10.37 | .3445 | .2415 | .0746 | .1372 | 7.196 |
| %RSD | 110.4 | 54.50 | 61.24 | 20.37 | 92.66 | 72.65 |

| | | | | | | |
|----|--------|--------|--------|-------|--------|-------|
| #1 | 15.31 | -.2517 | -.1796 | .3787 | -.0145 | 14.87 |
| #2 | 15.45 | -.7216 | -.3475 | .4340 | -.1411 | 1.653 |
| #3 | -2.582 | -.9230 | -.6557 | .2863 | -.2885 | 13.19 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0205 | -.0330 | .3968 | 5.937 | 5.206 | 59.50 |
| Stddev | .1830 | .0890 | .2706 | .227 | 10.12 | 12.03 |
| %RSD | 892.1 | 269.6 | 68.22 | 3.831 | 194.4 | 20.21 |

| | | | | | | |
|----|--------|--------|-------|-------|--------|-------|
| #1 | -.2250 | .0677 | .6587 | 5.702 | -5.945 | 51.76 |
| #2 | .1280 | -.1008 | .4135 | 6.156 | 13.81 | 53.38 |
| #3 | .0354 | -.0659 | .1181 | 5.953 | 7.751 | 73.36 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-2-A Acquired: 4/11/2016 17:16:48 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.382 | .5309 | 141.0 | 1.023 | -.0066 | .5721 |
| Stddev | 7.678 | .0396 | 6.4 | .488 | 1.053 | 1.220 |
| %RSD | 81.84 | 7.458 | 4.527 | 47.69 | 16030. | 213.3 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 10.86 | .5680 | 146.5 | 1.139 | -1.186 | 1.619 |
| #2 | 16.21 | .5355 | 142.5 | .4872 | .8406 | .8647 |
| #3 | 1.071 | .4892 | 134.0 | 1.442 | .3256 | -.7676 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.376 | -1.156 | .2409 | 5.136 | 4.893 | -.0697 |
| Stddev | 3.679 | 1.659 | .1425 | .040 | .337 | .1538 |
| %RSD | 154.9 | 143.5 | 59.14 | .7811 | 6.888 | 220.7 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | 2.485 | .7288 | .0905 | 5.175 | 5.062 | .0272 |
| #2 | -1.357 | -2.393 | .3738 | 5.095 | 4.505 | -.2470 |
| #3 | 5.999 | -1.804 | .2582 | 5.137 | 5.112 | .0108 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-2-A Acquired: 4/11/2016 17:16:48 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .9906 | .3522 | -.5141 | 49.02 |
| Stddev | .7198 | .0190 | .1354 | 6.65 |
| %RSD | 72.66 | 5.388 | 26.33 | 13.57 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 1.532 | .3682 | -.5150 | 45.10 |
| #2 | .1737 | .3571 | -.3783 | 56.70 |
| #3 | 1.266 | .3312 | -.6490 | 45.25 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8986.6 | 60389. | 8917.2 |
| Stddev | 14.5 | 279. | 46.3 |
| %RSD | .16141 | .46271 | .51927 |

| | | | |
|----|--------|--------|--------|
| #1 | 8982.0 | 60231. | 8921.6 |
| #2 | 8975.0 | 60224. | 8868.9 |
| #3 | 9002.9 | 60711. | 8961.2 |

Sample Name: 460-111781-E-3-A Acquired: 4/11/2016 17:20:42 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.835 | 2.921 | .1747 | 281.1 | -.0988 | 19880. |
| Stddev | 14.17 | 1.212 | .8593 | .8 | .0329 | 102. |
| %RSD | 180.9 | 41.49 | 492.0 | .2915 | 33.28 | .5111 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|--------|
| #1 | 20.72 | 2.216 | -.8142 | 281.5 | -.0758 | 19790. |
| #2 | -7.349 | 2.226 | .5983 | 281.6 | -.1364 | 19990. |
| #3 | 10.14 | 4.320 | .7399 | 280.1 | -.0841 | 19860. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4163 | 21.38 | .1078 | 12.67 | 15390. | 4426. |
| Stddev | .0549 | .23 | .4912 | .24 | 47. | 57. |
| %RSD | 13.18 | 1.089 | 455.6 | 1.917 | .3061 | 1.280 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|-------|
| #1 | -.4736 | 21.13 | .5783 | 12.86 | 15370. | 4367. |
| #2 | -.3643 | 21.44 | -.4018 | 12.76 | 15440. | 4480. |
| #3 | -.4109 | 21.58 | .1470 | 12.40 | 15360. | 4431. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-3-A Acquired: 4/11/2016 17:20:42 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9873. | 2197. | 20940. | 4.247 | -1.1679 | 1.284 |
| Stddev | 56. | 8. | 34. | .417 | 1.339 | 1.008 |
| %RSD | .5649 | .3557 | .1625 | 9.832 | 797.8 | 78.48 |

| | | | | | | |
|----|--------------|--------------|---------------|--------------|---------------|--------------|
| #1 | 9820. | 2189. | 20900. | 3.778 | 1.209 | 2.400 |
| #2 | 9931. | 2205. | 20970. | 4.383 | -1.466 | .4402 |
| #3 | 9867. | 2196. | 20940. | 4.579 | -2.471 | 1.013 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.874 | .9759 | 4.039 | 23.69 | 157.1 | -.0408 |
| Stddev | 1.329 | 3.827 | .389 | .07 | 1.2 | .1236 |
| %RSD | 34.31 | 392.1 | 9.619 | .3045 | .7718 | 303.0 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|--------------|---------------|
| #1 | 2.523 | -2.439 | 3.859 | 23.68 | 155.7 | -.1090 |
| #2 | 3.920 | .2550 | 4.485 | 23.62 | 157.6 | .1019 |
| #3 | 5.180 | 5.112 | 3.774 | 23.76 | 157.9 | -.1154 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-3-A Acquired: 4/11/2016 17:20:42 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3070 | 234.3 | -.0484 | 3918. |
| Stddev | .5094 | .2 | .1455 | 82. |
| %RSD | 165.9 | .0901 | 300.7 | 2.089 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.1186 | 234.2 | -.1700 | 3826. |
| #2 | .0813 | 234.3 | .1128 | 3944. |
| #3 | -.8838 | 234.6 | -.0879 | 3984. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8830.7 | 59274. | 8828.5 |
| Stddev | 23.5 | 221. | 104.6 |
| %RSD | .26584 | .37268 | 1.1853 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8818.5 | 59424. | 8828.7 |
| #2 | 8857.8 | 59021. | 8723.7 |
| #3 | 8815.8 | 59378. | 8933.0 |

Sample Name: 460-111781-E-4-A Acquired: 4/11/2016 17:24:30 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.748 | 6.728 | .7184 | 365.2 | -.1832 | 27550. |
| Stddev | 9.008 | 1.836 | .2206 | .2 | .0689 | 168. |
| %RSD | 327.8 | 27.30 | 30.70 | .0560 | 37.60 | .6102 |
| #1 | -13.13 | 5.020 | .7748 | 365.5 | -.1160 | 27680. |
| #2 | 2.986 | 6.493 | .4751 | 365.1 | -.1800 | 27610. |
| #3 | 1.902 | 8.670 | .9054 | 365.1 | -.2536 | 27360. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7523 | 38.49 | 1.448 | 3.801 | 46610. | 11170. |
| Stddev | .0777 | .13 | .595 | .467 | 228. | 102. |
| %RSD | 10.33 | .3283 | 41.06 | 12.29 | .4885 | .9126 |
| #1 | -.7897 | 38.34 | 1.350 | 3.802 | 46710. | 11050. |
| #2 | -.8042 | 38.55 | .9091 | 4.269 | 46780. | 11200. |
| #3 | -.6629 | 38.57 | 2.086 | 3.334 | 46350. | 11250. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-4-A Acquired: 4/11/2016 17:24:30 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 15470. | 4008. | 34290. | 5.716 | -.4962 | .3113 |
| Stddev | 77. | 12. | 72. | .624 | 2.463 | .8551 |
| %RSD | .4954 | .3042 | .2090 | 10.91 | 496.3 | 274.7 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|--------|
| #1 | 15510. | 4015. | 34350. | 5.293 | -2.732 | -.6661 |
| #2 | 15520. | 4015. | 34310. | 5.422 | 2.143 | .6786 |
| #3 | 15380. | 3994. | 34210. | 6.432 | -.8997 | .9214 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.884 | 4.449 | 7.087 | 8.428 | 190.8 | .2126 |
| Stddev | 3.167 | 1.544 | .190 | .029 | 1.1 | .0955 |
| %RSD | 168.2 | 34.71 | 2.678 | .3468 | .5760 | 44.90 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 5.368 | 3.493 | 7.239 | 8.446 | 189.9 | .2048 |
| #2 | 1.105 | 3.623 | 6.874 | 8.394 | 190.5 | .3118 |
| #3 | -.8221 | 6.230 | 7.147 | 8.443 | 192.0 | .1213 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-4-A Acquired: 4/11/2016 17:24:30 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2298 | 308.5 | -.5872 | 5932. |
| Stddev | .2273 | .4 | .0807 | 24. |
| %RSD | 98.93 | .1163 | 13.74 | .4055 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.0290 | 308.2 | -.6799 | 5905. |
| #2 | .3973 | 308.5 | -.5485 | 5938. |
| #3 | .3210 | 308.9 | -.5332 | 5952. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8790.9 | 59160. | 8831.9 |
| Stddev | 37.8 | 457. | 125.7 |
| %RSD | .43039 | .77215 | 1.4236 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8751.7 | 58818. | 8734.9 |
| #2 | 8793.7 | 58983. | 8786.9 |
| #3 | 8827.2 | 59679. | 8974.0 |

Sample Name: 460-111781-E-5-A Acquired: 4/11/2016 17:28:16 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.87 | .3275 | -.3328 | 138.1 | -.1124 | 13230. |
| Stddev | 3.89 | 1.941 | .4357 | .2 | .0863 | 4. |
| %RSD | 32.74 | 592.5 | 130.9 | .1534 | 76.76 | .0303 |
| #1 | 7.412 | -.9514 | -.7683 | 138.2 | -.1236 | 13230. |
| #2 | 13.67 | -.6267 | .1032 | 138.2 | -.1925 | 13240. |
| #3 | 14.54 | 2.561 | -.3333 | 137.8 | -.0211 | 13230. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0448 | 37.44 | .7616 | 2.091 | 3645. | 3460. |
| Stddev | .0315 | .07 | .3925 | .164 | 18. | 67. |
| %RSD | 70.24 | .1997 | 51.54 | 7.856 | .4967 | 1.938 |
| #1 | -.0093 | 37.36 | .5529 | 2.215 | 3625. | 3389. |
| #2 | -.0693 | 37.51 | 1.214 | 2.154 | 3654. | 3522. |
| #3 | -.0558 | 37.45 | .5175 | 1.905 | 3658. | 3468. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-5-A Acquired: 4/11/2016 17:28:16 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5151. | 1324. | 20210. | 8.858 | -.9778 | -.9800 |
| Stddev | 5. | 1. | 66. | .328 | 1.284 | 3.150 |
| %RSD | .1057 | .0916 | .3249 | 3.705 | 131.3 | 321.5 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 5146. | 1324. | 20280. | 8.596 | -1.665 | 1.805 |
| #2 | 5157. | 1324. | 20190. | 8.752 | .5038 | -.3461 |
| #3 | 5152. | 1322. | 20150. | 9.226 | -1.772 | -4.399 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.629 | -.8581 | 2.117 | 11.34 | 129.9 | -.3231 |
| Stddev | 1.191 | 1.976 | .276 | .16 | .7 | .3983 |
| %RSD | 73.11 | 230.2 | 13.03 | 1.400 | .5276 | 123.3 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | .5416 | -.2965 | 2.352 | 11.18 | 129.7 | -.7656 |
| #2 | 2.901 | .7759 | 1.813 | 11.50 | 129.3 | -.2102 |
| #3 | 1.443 | -3.054 | 2.186 | 11.35 | 130.6 | .0065 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-5-A Acquired: 4/11/2016 17:28:16 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0439 | 170.4 | -.0416 | 4225. |
| Stddev | .2083 | .4 | .1510 | 36. |
| %RSD | 474.3 | .2167 | 362.9 | .8567 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | .0719 | 170.8 | .1108 | 4184. |
| #2 | -.2844 | 170.1 | -.1911 | 4239. |
| #3 | .0808 | 170.4 | -.0445 | 4252. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8904.2 | 60001. | 8946.0 |
| Stddev | 11.5 | 136. | 44.4 |
| %RSD | .12879 | .22738 | .49576 |

| | | | |
|----|--------|--------|--------|
| #1 | 8892.3 | 59961. | 8971.5 |
| #2 | 8905.2 | 60154. | 8894.8 |
| #3 | 8915.2 | 59890. | 8971.7 |

Sample Name: 460-111781-E-6-A Acquired: 4/11/2016 17:32:02 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.73 | -1.1457 | -5.459 | 113.8 | .0286 | 14650. |
| Stddev | 17.22 | .9471 | .3716 | .3 | .1346 | 78. |
| %RSD | 146.7 | 650.2 | 68.08 | .2521 | 470.0 | .5351 |
| #1 | 30.21 | .0307 | -.9711 | 114.1 | .1811 | 14720. |
| #2 | 8.869 | .7009 | -.2828 | 113.6 | -.0216 | 14670. |
| #3 | -3.870 | -1.169 | -.3838 | 113.6 | -.0736 | 14570. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0087 | 1.121 | -4.226 | 2.940 | 453.0 | 6391. |
| Stddev | .0319 | .085 | .3850 | .120 | 2.2 | 51. |
| %RSD | 365.9 | 7.620 | 91.10 | 4.093 | .4769 | .7973 |
| #1 | -.0044 | 1.159 | .0170 | 3.078 | 450.7 | 6333. |
| #2 | -.0425 | 1.024 | -.6995 | 2.859 | 453.2 | 6429. |
| #3 | .0208 | 1.181 | -.5853 | 2.883 | 455.0 | 6410. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-6-A Acquired: 4/11/2016 17:32:02 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7586. | 342.2 | 17360. | 3.862 | -.0686 | -.2756 |
| Stddev | 15. | 1.3 | 47. | .465 | 1.152 | .3524 |
| %RSD | .1920 | .3694 | .2686 | 12.05 | 1679. | 127.8 |
| #1 | 7574. | 343.4 | 17400. | 3.697 | -1.285 | .1282 |
| #2 | 7602. | 342.2 | 17310. | 4.387 | 1.007 | -.5207 |
| #3 | 7582. | 340.9 | 17350. | 3.502 | .0726 | -.4344 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.773 | .0684 | .6132 | 9.289 | 53.48 | -.5834 |
| Stddev | 3.292 | 1.866 | .1973 | .065 | .35 | .1735 |
| %RSD | 118.7 | 2729. | 32.18 | .6990 | .6577 | 29.74 |
| #1 | 6.099 | -1.370 | .6455 | 9.214 | 53.31 | -.5952 |
| #2 | 2.703 | 2.177 | .7924 | 9.334 | 53.88 | -.7507 |
| #3 | -.4842 | -.6018 | .4017 | 9.318 | 53.25 | -.4043 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-6-A Acquired: 4/11/2016 17:32:02 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1509 | 157.1 | .0257 | 3399. |
| Stddev | .5595 | .4 | .0538 | 46. |
| %RSD | 370.8 | .2731 | 209.3 | 1.352 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | .1868 | 156.9 | -.0297 | 3353. |
| #2 | .1572 | 156.7 | .0290 | 3400. |
| #3 | -.7967 | 157.6 | .0778 | 3444. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8946.4 | 60392. | 9015.8 |
| Stddev | 42.0 | 503. | 115.3 |
| %RSD | .46920 | .83286 | 1.2785 |

| | | | |
|----|--------|--------|--------|
| #1 | 8898.0 | 59931. | 8900.4 |
| #2 | 8968.8 | 60316. | 9016.0 |
| #3 | 8972.5 | 60929. | 9131.0 |

Sample Name: 460-111781-E-7-A Acquired: 4/11/2016 17:35:53 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.414 | 1.473 | -.1359 | 170.5 | -.0362 | 18150. |
| Stddev | .591 | 1.203 | .4141 | .7 | .0899 | 67. |
| %RSD | 10.91 | 81.64 | 304.7 | .3947 | 248.2 | .3712 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 6.079 | .1860 | -.1520 | 170.9 | -.0062 | 18130. |
| #2 | 4.949 | 2.569 | .2860 | 170.9 | .0348 | 18220. |
| #3 | 5.215 | 1.665 | -.5417 | 169.8 | -.1372 | 18090. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0635 | 17.23 | .5130 | 1.136 | 3888. | 7247. |
| Stddev | .0573 | .41 | .1509 | .266 | 28. | 104. |
| %RSD | 90.24 | 2.393 | 29.42 | 23.39 | .7195 | 1.437 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .0019 | 16.75 | .5135 | .8434 | 3856. | 7127. |
| #2 | .0734 | 17.48 | .3618 | 1.203 | 3901. | 7312. |
| #3 | .1152 | 17.44 | .6637 | 1.362 | 3908. | 7302. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-7-A Acquired: 4/11/2016 17:35:53 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8222. | 1483. | 24230. | 5.752 | -.7559 | .0630 |
| Stddev | 46. | 3. | 30. | .209 | .4937 | 1.389 |
| %RSD | .5550 | .2332 | .1246 | 3.643 | 65.31 | 2205. |

| | | | | | | |
|----|--------------|--------------|---------------|--------------|---------------|---------------|
| #1 | 8178. | 1482. | 24230. | 5.517 | -.5394 | .6590 |
| #2 | 8219. | 1487. | 24260. | 5.920 | -1.321 | -1.524 |
| #3 | 8269. | 1480. | 24200. | 5.819 | -.4074 | 1.054 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.605 | 1.591 | 2.498 | 5.910 | 94.55 | -.2269 |
| Stddev | 2.171 | 1.807 | .485 | .170 | .80 | .4905 |
| %RSD | 135.3 | 113.5 | 19.41 | 2.881 | .8421 | 216.2 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|--------------|---------------|
| #1 | 2.609 | 2.103 | 2.172 | 5.717 | 93.69 | .2766 |
| #2 | 3.093 | -.4159 | 3.056 | 6.039 | 94.70 | -.7034 |
| #3 | -.8866 | 3.088 | 2.267 | 5.975 | 95.26 | -.2538 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-7-A Acquired: 4/11/2016 17:35:53 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2669 | 201.5 | .0247 | 3280. |
| Stddev | .4349 | .4 | .0767 | 40. |
| %RSD | 163.0 | .2200 | 310.2 | 1.219 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | .1206 | 201.9 | .0688 | 3248. |
| #2 | -.0761 | 201.5 | -.0638 | 3267. |
| #3 | .7561 | 201.0 | .0692 | 3325. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8860.2 | 59428. | 8813.1 |
| Stddev | 14.3 | 235. | 86.5 |
| %RSD | .16105 | .39490 | .98147 |

| | | | |
|----|--------|--------|--------|
| #1 | 8861.8 | 59589. | 8838.4 |
| #2 | 8845.2 | 59159. | 8716.7 |
| #3 | 8873.6 | 59536. | 8884.1 |

Sample Name: 460-111781-E-8-A Acquired: 4/11/2016 17:39:43 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .3399 | 3.024 | .2842 | 134.8 | -.1346 | 26300. |
| Stddev | 8.567 | 1.325 | .4875 | .3 | .0665 | 52. |
| %RSD | 2520. | 43.81 | 171.5 | .1874 | 49.39 | .1960 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|--------|
| #1 | 7.263 | 4.255 | .8264 | 134.5 | -.1870 | 26350. |
| #2 | -9.240 | 3.195 | -.1179 | 134.9 | -.1571 | 26270. |
| #3 | 2.997 | 1.622 | .1440 | 135.0 | -.0598 | 26260. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1712 | 29.23 | 1.172 | 1.629 | 12910. | 8589. |
| Stddev | .1309 | .18 | .438 | .250 | 145. | 72. |
| %RSD | 76.49 | .6284 | 37.36 | 15.32 | 1.121 | .8415 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.0316 | 29.42 | .6764 | 1.344 | 12750. | 8560. |
| #2 | -.2913 | 29.06 | 1.332 | 1.808 | 13040. | 8536. |
| #3 | -.1906 | 29.21 | 1.507 | 1.737 | 12920. | 8671. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-8-A Acquired: 4/11/2016 17:39:43 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12080. | 2278. | 26850. | 7.902 | -.0462 | -1.096 |
| Stddev | 33. | 7. | 87. | .513 | .5399 | 1.558 |
| %RSD | .2718 | .3157 | .3224 | 6.494 | 1168. | 142.1 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|--------|
| #1 | 12120. | 2286. | 26940. | 7.823 | -.2136 | .2158 |
| #2 | 12060. | 2278. | 26850. | 8.450 | .5576 | -.6858 |
| #3 | 12050. | 2271. | 26770. | 7.433 | -.4826 | -2.818 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.635 | 3.106 | 4.338 | 9.748 | 128.6 | .0372 |
| Stddev | 1.147 | 2.046 | .196 | .195 | .5 | .3055 |
| %RSD | 70.13 | 65.89 | 4.518 | 1.997 | .4136 | 822.1 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 2.924 | 4.970 | 4.460 | 9.738 | 128.2 | -.3149 |
| #2 | .7279 | 3.431 | 4.112 | 9.559 | 128.4 | .1931 |
| #3 | 1.253 | .9165 | 4.442 | 9.948 | 129.2 | .2333 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111781-E-8-A Acquired: 4/11/2016 17:39:43 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1268 | 297.5 | .1190 | 4050. |
| Stddev | .3867 | 1.1 | .2430 | 13. |
| %RSD | 304.9 | .3573 | 204.2 | .3184 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.2339 | 298.7 | -.0361 | 4062. |
| #2 | .5351 | 297.2 | -.0060 | 4052. |
| #3 | .0793 | 296.6 | .3991 | 4037. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8819.3 | 59077. | 8817.4 |
| Stddev | 17.2 | 216. | 39.3 |
| %RSD | .19536 | .36553 | .44570 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8807.3 | 58830. | 8774.2 |
| #2 | 8811.7 | 59175. | 8826.8 |
| #3 | 8839.1 | 59227. | 8851.1 |

Sample Name: CCV Acquired: 4/11/2016 17:43:32 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 124100. | 2468. | 1230. | 9898. | 1024. | 123800. |
| Stddev | 143. | 6. | . | 9. | 3. | 696. |
| %RSD | .1155 | .2512 | .0085 | .0940 | .3035 | .5622 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 124000. | 2470. | 1230. | 9904. | 1022. | 123000. |
| #2 | 124300. | 2474. | 1230. | 9903. | 1027. | 124400. |
| #3 | 124000. | 2462. | 1230. | 9888. | 1022. | 123900. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1224. | 2446. | 5072. | 12420. | 99900. | 49120. |
| Stddev | 3. | 2. | 21. | 59. | 463. | 93. |
| %RSD | .2127 | .0775 | .4219 | .4750 | .4636 | .1893 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1223. | 2445. | 5052. | 12490. | 99420. | 49010. |
| #2 | 1227. | 2448. | 5095. | 12390. | 100300. | 49170. |
| #3 | 1222. | 2444. | 5069. | 12390. | 99940. | 49170. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 17:43:32 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 125300. | 5129. | 126700. | 2475. | 7377. | 981.4 |
| Stddev | 749. | 17. | 290. | 1. | 12. | 3.2 |
| %RSD | .5982 | .3408 | .2293 | .0480 | .1611 | .3225 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 124400. | 5111. | 126900. | 2476. | 7371. | 983.3 |
| #2 | 125900. | 5146. | 126800. | 2475. | 7391. | 983.1 |
| #3 | 125400. | 5128. | 126300. | 2474. | 7370. | 977.7 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2390. | 2428. | 2488. | 2464. | 974.5 | 2363. |
| Stddev | 4. | 5. | 3. | 12. | 1.9 | 5. |
| %RSD | .1726 | .2232 | .1247 | .4992 | .1906 | .2006 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2393. | 2432. | 2485. | 2457. | 976.5 | 2368. |
| #2 | 2391. | 2431. | 2491. | 2479. | 972.8 | 2360. |
| #3 | 2385. | 2422. | 2487. | 2457. | 974.3 | 2360. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 17:43:32 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 973.9 | 5002. | 10160. | 9679. |
| Stddev | 1.7 | 7. | 14. | 99. |
| %RSD | .1741 | .1394 | .1380 | 1.018 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 973.7 | 5007. | 10170. | 9684. |
| #2 | 975.7 | 5004. | 10180. | 9776. |
| #3 | 972.3 | 4994. | 10150. | 9579. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8410.6 | 57319. | 8816.9 |
| Stddev | 24.6 | 271. | 63.2 |
| %RSD | .29230 | .47208 | .71704 |

| | | | |
|----|--------|--------|--------|
| #1 | 8413.1 | 57607. | 8888.8 |
| #2 | 8384.9 | 57070. | 8792.2 |
| #3 | 8433.9 | 57280. | 8769.8 |

Sample Name: CCB Acquired: 4/11/2016 17:47:00 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.626 | -.2327 | -.2351 | .3081 | -.0590 | -34.67 |
| Stddev | 18.15 | .5350 | .6279 | .1470 | .1096 | 8.97 |
| %RSD | 322.6 | 229.8 | 267.0 | 47.72 | 185.7 | 25.88 |
| #1 | 22.79 | -.1555 | .0218 | .4532 | -.1529 | -26.03 |
| #2 | -13.37 | .2594 | -.9508 | .3120 | .0613 | -34.03 |
| #3 | 7.462 | -.8021 | .2235 | .1592 | -.0854 | -43.94 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0283 | -.0378 | .0127 | 2.018 | 8.183 | 46.97 |
| Stddev | .0292 | .0591 | .0771 | .410 | 1.705 | 36.29 |
| %RSD | 103.2 | 156.4 | 608.9 | 20.32 | 20.84 | 77.27 |
| #1 | -.0295 | -.0175 | -.0642 | 2.464 | 7.326 | 60.91 |
| #2 | .0015 | .0085 | .0901 | 1.932 | 10.15 | 74.22 |
| #3 | -.0570 | -.1044 | .0121 | 1.658 | 7.075 | 5.772 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 17:47:00 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.384 | .2970 | 44.88 | .0243 | .2699 | .3875 |
| Stddev | 6.428 | .1426 | 14.51 | .5484 | .9182 | 1.927 |
| %RSD | 189.9 | 48.01 | 32.32 | 2255. | 340.2 | 497.2 |

| | | | | | | |
|----|--------|-------|-------|--------|--------|--------|
| #1 | 10.64 | .4514 | 57.14 | -.4588 | 1.093 | -.9862 |
| #2 | -1.597 | .2694 | 48.63 | -.0888 | .4376 | -.4415 |
| #3 | 1.110 | .1702 | 28.86 | .6205 | -.7206 | 2.590 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .8930 | -2.739 | .0475 | -.0815 | 2.516 | .8197 |
| Stddev | 3.557 | 1.537 | .2574 | .1247 | .312 | .2489 |
| %RSD | 398.3 | 56.11 | 542.1 | 153.0 | 12.40 | 30.37 |

| | | | | | | |
|----|--------|--------|--------|--------|-------|-------|
| #1 | .5948 | -.9742 | -.1786 | .0374 | 2.645 | 1.032 |
| #2 | 4.590 | -3.460 | -.0065 | -.0706 | 2.743 | .5458 |
| #3 | -2.506 | -3.783 | .3276 | -.2114 | 2.160 | .8811 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 17:47:00 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0209 | .3784 | .9137 | 3.628 |
| Stddev | .3368 | .2891 | .1618 | 16.27 |
| %RSD | 1614. | 76.39 | 17.71 | 448.3 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .1388 | .6918 | 1.100 | -13.63 |
| #2 | .2828 | .3210 | .8364 | 5.840 |
| #3 | -.3590 | .1223 | .8049 | 18.67 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8968.9 | 60345. | 8888.4 |
| Stddev | 7.4 | 249. | 104.6 |
| %RSD | .08265 | .41211 | 1.1762 |

| | | | |
|----|--------|--------|--------|
| #1 | 8960.8 | 60058. | 9007.7 |
| #2 | 8970.4 | 60496. | 8844.6 |
| #3 | 8975.4 | 60481. | 8812.8 |

Sample Name: CCVL Acquired: 4/11/2016 17:50:54 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 208.9 | 12.89 | 9.357 | 202.2 | 2.024 | 4999. |
| Stddev | 12.2 | 1.28 | .451 | 1.0 | .089 | 45. |
| %RSD | 5.846 | 9.928 | 4.818 | .4715 | 4.392 | .9006 |
| #1 | 195.6 | 14.07 | 8.841 | 203.3 | 1.933 | 5036. |
| #2 | 219.7 | 11.53 | 9.677 | 201.7 | 2.028 | 5011. |
| #3 | 211.4 | 13.08 | 9.552 | 201.7 | 2.110 | 4949. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.996 | 51.13 | 10.59 | 25.71 | 164.3 | 4900. |
| Stddev | .141 | .10 | .09 | .44 | 12.7 | 34. |
| %RSD | 3.519 | .1967 | .8701 | 1.719 | 7.711 | .6919 |
| #1 | 4.151 | 51.01 | 10.60 | 25.77 | 175.2 | 4862. |
| #2 | 3.960 | 51.18 | 10.50 | 25.24 | 150.4 | 4928. |
| #3 | 3.877 | 51.19 | 10.68 | 26.12 | 167.3 | 4911. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 17:50:54 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5038. | 16.54 | 5046. | 42.01 | 11.32 | 17.47 |
| Stddev | 20. | .09 | 10. | .40 | 1.08 | .89 |
| %RSD | .3886 | .5584 | .1953 | .9621 | 9.538 | 5.080 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5017. | 16.57 | 5057. | 41.96 | 11.11 | 17.38 |
| #2 | 5056. | 16.62 | 5043. | 42.43 | 12.49 | 18.40 |
| #3 | 5042. | 16.44 | 5038. | 41.63 | 10.36 | 16.64 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.20 | 19.11 | 51.44 | 30.65 | 49.30 | 18.82 |
| Stddev | 1.77 | .56 | .47 | .24 | .78 | .31 |
| %RSD | 8.746 | 2.906 | .9055 | .7751 | 1.591 | 1.637 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 19.64 | 18.54 | 50.91 | 30.65 | 48.40 | 18.83 |
| #2 | 18.78 | 19.65 | 51.62 | 30.89 | 49.77 | 18.50 |
| #3 | 22.18 | 19.16 | 51.78 | 30.41 | 49.75 | 19.12 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 17:50:54 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.82 | 21.08 | 21.09 | F .8901 |
| Stddev | .42 | .28 | .34 | 11.69 |
| %RSD | .8664 | 1.351 | 1.618 | 1313. |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 49.13 | 20.83 | 20.70 | 14.22 |
| #2 | 48.98 | 21.39 | 21.24 | -3.972 |
| #3 | 48.34 | 21.02 | 21.34 | -7.583 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8980.1 | 60597. | 8993.3 |
| Stddev | 55.1 | 760. | 120.9 |
| %RSD | .61398 | 1.2541 | 1.3440 |

| | | | |
|----|--------|--------|--------|
| #1 | 8925.6 | 60037. | 8882.6 |
| #2 | 8978.7 | 60291. | 8975.1 |
| #3 | 9035.9 | 61462. | 9122.2 |

Sample Name: 460-111896-G-2-A Acquired: 4/11/2016 17:54:46 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24.74 | 1.135 | -.1797 | 56.83 | -.1046 | 28090. |
| Stddev | 11.58 | .239 | .5050 | .04 | .0157 | 89. |
| %RSD | 46.81 | 21.05 | 281.0 | .0775 | 14.97 | .3155 |
| #1 | 16.78 | 1.177 | .3713 | 56.81 | -.0894 | 28110. |
| #2 | 38.02 | 1.350 | -.6206 | 56.80 | -.1207 | 28000. |
| #3 | 19.42 | .8780 | -.2898 | 56.88 | -.1038 | 28180. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0167 | 18.37 | .9932 | 6.900 | 62.13 | 4053. |
| Stddev | .0857 | .04 | .3884 | .044 | 7.77 | 49. |
| %RSD | 512.2 | .2335 | 39.11 | .6454 | 12.51 | 1.219 |
| #1 | -.1066 | 18.34 | .7234 | 6.920 | 53.92 | 3997. |
| #2 | -.0077 | 18.42 | .8177 | 6.930 | 69.37 | 4090. |
| #3 | .0641 | 18.37 | 1.438 | 6.848 | 63.10 | 4073. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-2-A Acquired: 4/11/2016 17:54:46 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12580. | 1899. | 29420. | 11.14 | -1.277 | -2.941 |
| Stddev | 36. | 5. | 35. | .34 | .561 | .992 |
| %RSD | .2865 | .2413 | .1177 | 3.032 | 43.90 | 33.73 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|---------------|---------------|
| #1 | 12580. | 1898. | 29440. | 11.50 | -1.667 | -2.289 |
| #2 | 12550. | 1895. | 29380. | 10.84 | -1.529 | -2.452 |
| #3 | 12620. | 1904. | 29450. | 11.06 | -.6347 | -4.083 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.125 | 1.904 | 4.258 | 18.92 | 143.5 | -.0630 |
| Stddev | 2.887 | 2.149 | .363 | .08 | .9 | .1350 |
| %RSD | 92.39 | 112.9 | 8.533 | .4232 | .6126 | 214.4 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|---------------|
| #1 | -.2081 | 1.049 | 3.876 | 18.84 | 143.0 | -.1077 |
| #2 | 4.855 | .3144 | 4.299 | 18.92 | 144.5 | -.1700 |
| #3 | 4.728 | 4.349 | 4.599 | 19.00 | 143.0 | .0888 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-2-A Acquired: 4/11/2016 17:54:46 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0188 | 276.8 | .6584 | 3677. |
| Stddev | .5868 | .0 | .2413 | 38. |
| %RSD | 3122. | .0179 | 36.65 | 1.030 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .1435 | 276.8 | .6347 | 3646. |
| #2 | -.6203 | 276.8 | .9107 | 3666. |
| #3 | .5332 | 276.9 | .4298 | 3719. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8837.8 | 59718. | 8964.8 |
| Stddev | 5.4 | 239. | 18.4 |
| %RSD | .06150 | .40047 | .20530 |

| | | | |
|----|--------|--------|--------|
| #1 | 8842.1 | 59793. | 8943.6 |
| #2 | 8831.7 | 59910. | 8975.5 |
| #3 | 8839.7 | 59450. | 8975.4 |

Sample Name: 460-111896-G-3-A Acquired: 4/11/2016 17:58:37 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.255 | .5950 | -.5469 | 93.29 | -.1629 | 28480. |
| Stddev | 1.479 | 1.180 | .2627 | .54 | .1064 | 158. |
| %RSD | 45.45 | 198.3 | 48.03 | .5831 | 65.31 | .5532 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 3.481 | .3284 | -.7088 | 93.30 | -.0400 | 28490. |
| #2 | 1.675 | -.4287 | -.6882 | 93.83 | -.2255 | 28640. |
| #3 | 4.608 | 1.885 | -.2439 | 92.74 | -.2230 | 28320. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2625 | .7094 | -.0394 | 1.682 | 16560. | 1963. |
| Stddev | .0999 | .0393 | .4867 | .147 | 76. | 10. |
| %RSD | 38.05 | 5.537 | 1235. | 8.748 | .4572 | .4868 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|-------|
| #1 | -.2454 | .7047 | -.4917 | 1.800 | 16530. | 1971. |
| #2 | -.1723 | .6727 | -.1022 | 1.729 | 16650. | 1967. |
| #3 | -.3699 | .7508 | .4757 | 1.517 | 16510. | 1952. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-3-A Acquired: 4/11/2016 17:58:37 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4194. | 243.4 | 21530. | 3.332 | .0102 | -.2572 |
| Stddev | 23. | 1.3 | 98. | .336 | .8747 | .6625 |
| %RSD | .5504 | .5143 | .4569 | 10.08 | 8601. | 257.6 |
| #1 | 4175. | 244.2 | 21550. | 2.948 | -.2876 | .3424 |
| #2 | 4220. | 244.1 | 21610. | 3.573 | -.6767 | -.1455 |
| #3 | 4188. | 242.0 | 21420. | 3.475 | .9948 | -.9684 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.255 | -2.207 | .2463 | 4.651 | 13.60 | .3378 |
| Stddev | 4.355 | 1.201 | .1941 | .059 | .36 | .1649 |
| %RSD | 347.1 | 54.44 | 78.78 | 1.280 | 2.625 | 48.82 |
| #1 | 6.262 | -3.593 | .2383 | 4.691 | 13.90 | .1740 |
| #2 | -.8516 | -1.480 | .4443 | 4.583 | 13.69 | .3355 |
| #3 | -1.647 | -1.547 | .0564 | 4.679 | 13.20 | .5037 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-3-A Acquired: 4/11/2016 17:58:37 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.6411 | 182.6 | .0288 | 4551. |
| Stddev | .2118 | .3 | .0852 | 70. |
| %RSD | 33.04 | .1650 | 295.6 | 1.541 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.5376 | 182.5 | -.0664 | 4489. |
| #2 | -.5010 | 182.9 | .0552 | 4537. |
| #3 | -.8848 | 182.4 | .0976 | 4627. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8861.5 | 59690. | 8902.2 |
| Stddev | 42.3 | 589. | 189.3 |
| %RSD | .47693 | .98755 | 2.1269 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8826.2 | 59529. | 8794.7 |
| #2 | 8850.1 | 59197. | 8791.2 |
| #3 | 8908.3 | 60343. | 9120.9 |

Sample Name: 460-111896-G-4-A Acquired: 4/11/2016 18:02:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.624 | 2.772 | .1460 | 376.4 | -.0347 | 14680. |
| Stddev | 7.257 | 1.079 | .2711 | 1.2 | .0319 | 10. |
| %RSD | 200.2 | 38.93 | 185.7 | .3204 | 91.93 | .0710 |
| #1 | -3.168 | 3.021 | .3719 | 377.8 | -.0702 | 14690. |
| #2 | 2.770 | 1.590 | .2207 | 375.5 | -.0085 | 14670. |
| #3 | 11.27 | 3.706 | -.1547 | 376.0 | -.0254 | 14680. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3682 | 29.45 | .5774 | 1.119 | 27720. | 2895. |
| Stddev | .1214 | .32 | .4620 | .258 | 33. | 25. |
| %RSD | 32.98 | 1.095 | 80.01 | 23.03 | .1205 | .8505 |
| #1 | -.4019 | 29.13 | .9735 | 1.381 | 27690. | 2867. |
| #2 | -.2334 | 29.45 | .0699 | 1.110 | 27720. | 2913. |
| #3 | -.4692 | 29.78 | .6889 | .8658 | 27760. | 2905. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-4-A Acquired: 4/11/2016 18:02:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9158. | 2334. | 24920. | 5.219 | .4654 | -.5475 |
| Stddev | 26. | 2. | 26. | .399 | .8893 | 1.156 |
| %RSD | .2861 | .0960 | .1041 | 7.649 | 191.1 | 211.2 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 9139. | 2332. | 24890. | 5.541 | -.3852 | .6795 |
| #2 | 9148. | 2333. | 24930. | 4.772 | .3926 | -1.617 |
| #3 | 9188. | 2337. | 24930. | 5.342 | 1.389 | -.7054 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.735 | 1.423 | 3.717 | 25.55 | 30.35 | -.0225 |
| Stddev | .784 | 1.778 | .225 | .18 | .15 | .1486 |
| %RSD | 28.65 | 125.0 | 6.065 | .7170 | .4910 | 661.4 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | 2.232 | 1.334 | 3.639 | 25.35 | 30.44 | -.1088 |
| #2 | 2.336 | -.3087 | 3.971 | 25.59 | 30.18 | -.1078 |
| #3 | 3.638 | 3.245 | 3.541 | 25.71 | 30.43 | .1492 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-4-A Acquired: 4/11/2016 18:02:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1468 | 175.6 | -.6523 | 4740. |
| Stddev | .6695 | .3 | .1421 | 33. |
| %RSD | 456.0 | .1801 | 21.79 | .6897 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | .0153 | 175.3 | -.5941 | 4711. |
| #2 | -.4472 | 175.6 | -.8142 | 4734. |
| #3 | .8723 | 175.9 | -.5485 | 4776. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8870.6 | 59640. | 8868.3 |
| Stddev | 16.7 | 105. | 28.1 |
| %RSD | .18808 | .17671 | .31654 |

| | | | |
|----|--------|--------|--------|
| #1 | 8862.5 | 59652. | 8888.8 |
| #2 | 8859.4 | 59738. | 8836.3 |
| #3 | 8889.8 | 59528. | 8879.7 |

Sample Name: 460-111896-G-5-A Acquired: 4/11/2016 18:06:16 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.85 | 41.11 | .0208 | 140.3 | .0599 | 9709. |
| Stddev | 9.28 | 1.38 | .2511 | .5 | .1052 | 73. |
| %RSD | 17.22 | 3.355 | 1208. | .3823 | 175.7 | .7505 |
| #1 | 43.43 | 39.57 | .3053 | 140.6 | -.0599 | 9780. |
| #2 | 56.92 | 41.54 | -.1695 | 140.6 | .1026 | 9712. |
| #3 | 61.20 | 42.23 | -.0735 | 139.7 | .1369 | 9634. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9341 | 32.05 | 13.91 | 35.82 | 81510. | 3891. |
| Stddev | .2111 | .10 | .86 | .33 | 561. | 34. |
| %RSD | 22.60 | .3224 | 6.183 | .9207 | .6882 | .8725 |
| #1 | -1.102 | 32.13 | 14.23 | 36.20 | 82010. | 3864. |
| #2 | -1.004 | 31.94 | 14.56 | 35.70 | 81630. | 3879. |
| #3 | -.6970 | 32.10 | 12.94 | 35.57 | 80910. | 3929. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-5-A Acquired: 4/11/2016 18:06:16 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19060. | 2794. | 76870. | 62.79 | 1.334 | 1.862 |
| Stddev | 131. | 17. | 256. | .62 | 1.001 | 1.837 |
| %RSD | .6849 | .6207 | .3335 | .9916 | 75.00 | 98.64 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|--------------|--------------|
| #1 | 19170. | 2809. | 77150. | 62.13 | .9994 | .4882 |
| #2 | 19090. | 2798. | 76840. | 62.87 | .5440 | 3.949 |
| #3 | 18920. | 2775. | 76640. | 63.37 | 2.460 | 1.150 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.449 | 5.397 | 5.264 | 19.42 | 50.99 | 1.734 |
| Stddev | 1.922 | 1.724 | .060 | .15 | .38 | .485 |
| %RSD | 43.19 | 31.94 | 1.150 | .7908 | .7549 | 27.95 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 2.429 | 3.438 | 5.302 | 19.31 | 50.83 | 1.274 |
| #2 | 6.255 | 6.681 | 5.194 | 19.60 | 51.43 | 2.240 |
| #3 | 4.664 | 6.071 | 5.295 | 19.36 | 50.71 | 1.689 |

| | | | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-5-A Acquired: 4/11/2016 18:06:16 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0425 | 119.7 | 1.672 | 6382. |
| Stddev | .4216 | .9 | .133 | 119. |
| %RSD | 992.8 | .7115 | 7.930 | 1.870 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.3366 | 118.7 | 1.544 | 6247. |
| #2 | .4405 | 120.1 | 1.809 | 6473. |
| #3 | -.2313 | 120.2 | 1.663 | 6425. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8795.6 | 60208. | 9149.4 |
| Stddev | 17.5 | 427. | 139.6 |
| %RSD | .19860 | .70875 | 1.5257 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8779.8 | 59774. | 9018.3 |
| #2 | 8792.8 | 60223. | 9133.7 |
| #3 | 8814.4 | 60627. | 9296.2 |

Sample Name: 460-111896-G-6-A Acquired: 4/11/2016 18:10:04 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 14.78 | 7.349 | .7158 | 152.9 | .0304 | 21900. |
| Stddev | 3.59 | .479 | .2313 | .2 | .0662 | 63. |
| %RSD | 24.28 | 6.518 | 32.31 | .1071 | 217.7 | .2869 |
| #1 | 18.17 | 6.799 | .4712 | 152.8 | .1049 | 21870. |
| #2 | 11.02 | 7.576 | .7453 | 152.9 | -.0217 | 21980. |
| #3 | 15.15 | 7.672 | .9309 | 153.1 | .0080 | 21870. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6913 | 51.49 | 1.252 | 1.428 | 42690. | 2009. |
| Stddev | .1024 | .14 | .012 | .315 | 92. | 37. |
| %RSD | 14.81 | .2772 | .9895 | 22.05 | .2165 | 1.867 |
| #1 | -.5921 | 51.34 | 1.244 | 1.225 | 42640. | 2023. |
| #2 | -.6850 | 51.62 | 1.266 | 1.269 | 42790. | 1966. |
| #3 | -.7966 | 51.50 | 1.246 | 1.791 | 42620. | 2037. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-6-A Acquired: 4/11/2016 18:10:04 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18210. | 6167. | 14920. | 9.316 | -1.516 | -.3003 |
| Stddev | 48. | 13. | 62. | .229 | .569 | .8841 |
| %RSD | .2651 | .2154 | .4187 | 2.455 | 37.53 | 294.4 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|---------------|---------------|
| #1 | 18150. | 6153. | 14870. | 9.183 | -2.152 | -1.311 |
| #2 | 18240. | 6179. | 14890. | 9.580 | -1.340 | .3309 |
| #3 | 18230. | 6168. | 14990. | 9.186 | -1.056 | .0791 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.431 | 6.610 | 10.64 | 8.034 | 28.36 | .3261 |
| Stddev | 2.693 | .458 | .27 | .128 | .13 | .2905 |
| %RSD | 41.87 | 6.930 | 2.563 | 1.590 | .4519 | 89.10 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|---------------|
| #1 | 4.300 | 6.482 | 10.71 | 8.010 | 28.22 | .4362 |
| #2 | 9.458 | 6.230 | 10.87 | 8.173 | 28.41 | .5455 |
| #3 | 5.536 | 7.118 | 10.34 | 7.921 | 28.46 | -.0034 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-6-A Acquired: 4/11/2016 18:10:04 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0886 | 176.0 | -.7527 | 6366. |
| Stddev | .6674 | .5 | .1177 | 91. |
| %RSD | 753.4 | .3103 | 15.63 | 1.425 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.0959 | 176.0 | -.8648 | 6360. |
| #2 | -.7523 | 175.4 | -.7632 | 6278. |
| #3 | .5824 | 176.5 | -.6302 | 6459. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8846.4 | 59957. | 8914.2 |
| Stddev | 11.2 | 262. | 141.6 |
| %RSD | .12625 | .43688 | 1.5889 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8849.0 | 60112. | 9032.8 |
| #2 | 8834.1 | 59654. | 8757.4 |
| #3 | 8856.0 | 60104. | 8952.3 |

Sample Name: 460-111896-G-7-A Acquired: 4/11/2016 18:13:51 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.182 | 6.587 | .7206 | 172.0 | -.1725 | 29010. |
| Stddev | 18.38 | 1.774 | .0344 | .2 | .0503 | 75. |
| %RSD | 577.8 | 26.93 | 4.770 | .1143 | 29.16 | .2582 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|--------|
| #1 | 15.99 | 5.107 | .7600 | 171.8 | -.1164 | 28930. |
| #2 | 11.44 | 8.554 | .6966 | 172.2 | -.2135 | 29030. |
| #3 | -17.88 | 6.099 | .7052 | 172.2 | -.1878 | 29080. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4254 | 95.61 | .9394 | 1.154 | 25890. | 2445. |
| Stddev | .0454 | .17 | .3295 | .110 | 74. | 39. |
| %RSD | 10.67 | .1750 | 35.07 | 9.513 | .2874 | 1.576 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.4193 | 95.49 | 1.233 | 1.189 | 25810. | 2413. |
| #2 | -.3834 | 95.80 | .5830 | 1.241 | 25910. | 2488. |
| #3 | -.4736 | 95.53 | 1.002 | 1.030 | 25960. | 2434. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-7-A Acquired: 4/11/2016 18:13:51 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21280. | 5674. | 27720. | 13.11 | -2.741 | .1624 |
| Stddev | 105. | 14. | 74. | .56 | 1.107 | 1.654 |
| %RSD | .4935 | .2487 | .2671 | 4.264 | 40.37 | 1019. |
| #1 | 21170. | 5659. | 27640. | 12.92 | -1.485 | .3497 |
| #2 | 21300. | 5675. | 27780. | 13.74 | -3.570 | 1.715 |
| #3 | 21380. | 5687. | 27740. | 12.68 | -3.168 | -1.577 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.880 | 6.698 | 9.616 | 6.518 | 20.06 | .0833 |
| Stddev | 2.040 | 2.430 | .301 | .086 | .50 | .2244 |
| %RSD | 70.84 | 36.28 | 3.127 | 1.313 | 2.512 | 269.4 |
| #1 | 4.799 | 8.345 | 9.280 | 6.436 | 19.58 | .0552 |
| #2 | .7377 | 3.907 | 9.711 | 6.607 | 20.03 | .3203 |
| #3 | 3.102 | 7.843 | 9.859 | 6.512 | 20.58 | -.1257 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-7-A Acquired: 4/11/2016 18:13:51 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.5006 | 228.4 | -.1070 | 6499. |
| Stddev | .4362 | .3 | .1102 | 21. |
| %RSD | 87.13 | .1275 | 103.0 | .3160 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.5256 | 228.1 | -.2331 | 6513. |
| #2 | -.9238 | 228.7 | -.0589 | 6476. |
| #3 | -.0525 | 228.4 | -.0291 | 6509. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8793.7 | 59294. | 8881.6 |
| Stddev | 11.1 | 311. | 146.9 |
| %RSD | .12678 | .52414 | 1.6536 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8802.8 | 59586. | 9035.5 |
| #2 | 8796.9 | 59329. | 8866.3 |
| #3 | 8781.3 | 58967. | 8742.9 |

Sample Name: 460-111896-G-8-A Acquired: 4/11/2016 18:17:40 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.464 | 6.309 | 1.558 | 162.6 | -.1166 | 17830. |
| Stddev | 6.618 | .873 | .064 | .3 | .1318 | 91. |
| %RSD | 69.93 | 13.84 | 4.126 | .1788 | 113.0 | .5104 |
| #1 | 15.11 | 5.333 | 1.571 | 162.4 | -.1425 | 17790. |
| #2 | 2.183 | 7.015 | 1.615 | 162.9 | .0262 | 17930. |
| #3 | 11.10 | 6.578 | 1.489 | 162.4 | -.2336 | 17760. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4413 | 83.98 | 1.461 | .6881 | 36630. | 2802. |
| Stddev | .0278 | .28 | .229 | .5098 | 143. | 36. |
| %RSD | 6.293 | .3313 | 15.69 | 74.08 | .3892 | 1.290 |
| #1 | -.4585 | 84.29 | 1.213 | .8788 | 36620. | 2794. |
| #2 | -.4092 | 83.90 | 1.665 | .1105 | 36780. | 2771. |
| #3 | -.4561 | 83.75 | 1.505 | 1.075 | 36500. | 2842. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-8-A Acquired: 4/11/2016 18:17:40 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12550. | 8178. | 39510. | 10.17 | -2.189 | -.2884 |
| Stddev | 55. | 27. | 12. | .24 | .691 | .5485 |
| %RSD | .4380 | .3311 | .0300 | 2.333 | 31.57 | 190.2 |
| #1 | 12510. | 8157. | 39510. | 9.906 | -2.974 | -.7727 |
| #2 | 12610. | 8208. | 39510. | 10.36 | -1.921 | -.3997 |
| #3 | 12520. | 8168. | 39490. | 10.25 | -1.672 | .3072 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.053 | 8.774 | 14.11 | 8.522 | 23.97 | .4400 |
| Stddev | 1.662 | 2.197 | .18 | .110 | .23 | .2685 |
| %RSD | 27.46 | 25.04 | 1.292 | 1.295 | .9707 | 61.03 |
| #1 | 5.382 | 6.431 | 13.91 | 8.634 | 23.95 | .2921 |
| #2 | 4.832 | 10.79 | 14.27 | 8.519 | 24.21 | .7500 |
| #3 | 7.946 | 9.103 | 14.16 | 8.414 | 23.75 | .2779 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-8-A Acquired: 4/11/2016 18:17:40 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0117 | 189.8 | -.7470 | 7079. |
| Stddev | .1635 | .4 | .0759 | 19. |
| %RSD | 1394. | .2043 | 10.15 | .2706 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | .0255 | 189.9 | -.7258 | 7095. |
| #2 | -.1906 | 189.4 | -.6839 | 7058. |
| #3 | .1299 | 190.2 | -.8311 | 7083. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8808.6 | 59402. | 8895.8 |
| Stddev | 17.2 | 339. | 28.9 |
| %RSD | .19517 | .57013 | .32465 |

| | | | |
|----|--------|--------|--------|
| #1 | 8802.5 | 59697. | 8929.1 |
| #2 | 8828.0 | 59032. | 8877.9 |
| #3 | 8795.3 | 59478. | 8880.4 |

Sample Name: 460-111896-G-9-A Acquired: 4/11/2016 18:21:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.783 | 7.405 | .9375 | 984.4 | -.0018 | 14260. |
| Stddev | 4.790 | .725 | .1585 | 1.4 | .0369 | 22. |
| %RSD | 126.6 | 9.792 | 16.91 | .1425 | 2040. | .1526 |
| #1 | 7.860 | 6.583 | 1.066 | 985.8 | -.0236 | 14250. |
| #2 | 4.981 | 7.680 | .9859 | 984.5 | .0408 | 14250. |
| #3 | -1.492 | 7.953 | .7605 | 983.0 | -.0227 | 14290. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5132 | 39.75 | .9706 | 1.035 | 30470. | 3044. |
| Stddev | .0454 | .39 | .3527 | .176 | 38. | 42. |
| %RSD | 8.843 | .9727 | 36.34 | 17.00 | .1263 | 1.384 |
| #1 | -.4885 | 40.05 | .5777 | 1.021 | 30510. | 3028. |
| #2 | -.4855 | 39.89 | 1.260 | .8663 | 30440. | 3013. |
| #3 | -.5656 | 39.32 | 1.074 | 1.217 | 30450. | 3092. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-9-A Acquired: 4/11/2016 18:21:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 27930. | 4295. | 40980. | 14.31 | -1.886 | 1.639 |
| Stddev | 20. | 4. | 96. | .70 | .071 | 1.144 |
| %RSD | .0724 | .1014 | .2344 | 4.917 | 3.755 | 69.80 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|-------|
| #1 | 27920. | 4295. | 40890. | 13.61 | -1.962 | .4266 |
| #2 | 27930. | 4290. | 40960. | 14.31 | -1.874 | 2.700 |
| #3 | 27960. | 4299. | 41080. | 15.01 | -1.822 | 1.791 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.487 | 2.445 | 7.488 | 2.734 | 37.56 | .0982 |
| Stddev | 2.648 | 2.847 | .471 | .078 | .47 | .1682 |
| %RSD | 59.01 | 116.4 | 6.298 | 2.847 | 1.244 | 171.2 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | 3.208 | 5.393 | 7.654 | 2.743 | 37.77 | .1489 |
| #2 | 7.532 | 2.230 | 7.853 | 2.807 | 37.03 | -.0895 |
| #3 | 2.722 | -.2875 | 6.956 | 2.652 | 37.89 | .2352 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-9-A Acquired: 4/11/2016 18:21:27 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.2059 | 180.9 | -.8676 | 5374. |
| Stddev | .3757 | .2 | .1187 | 38. |
| %RSD | 182.5 | .1274 | 13.68 | .6989 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.6394 | 180.9 | -.9865 | 5343. |
| #2 | .0260 | 180.7 | -.8670 | 5363. |
| #3 | -.0043 | 181.2 | -.7492 | 5416. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8731.0 | 58647. | 8667.6 |
| Stddev | 9.4 | 83. | 35.8 |
| %RSD | .10787 | .14210 | .41313 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8727.0 | 58593. | 8708.7 |
| #2 | 8724.3 | 58743. | 8650.9 |
| #3 | 8741.8 | 58605. | 8643.1 |

Sample Name: 460-111859-G-3-A Acquired: 4/11/2016 18:25:15 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.75 | -4808 | -4690 | 84.21 | -0691 | 22040. |
| Stddev | 12.66 | 1.165 | .6146 | .10 | .0206 | 117. |
| %RSD | 71.32 | 242.3 | 131.0 | .1245 | 29.82 | .5304 |
| #1 | 29.55 | -.5409 | -.2866 | 84.22 | -.0458 | 22150. |
| #2 | 4.385 | .7130 | .0337 | 84.30 | -.0849 | 21920. |
| #3 | 19.30 | -1.615 | -1.154 | 84.10 | -.0767 | 22050. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1421 | 1.166 | 1.904 | 3.493 | 43.37 | 3228. |
| Stddev | .0609 | .243 | .050 | .214 | 4.08 | 6. |
| %RSD | 42.82 | 20.83 | 2.624 | 6.137 | 9.417 | .1785 |
| #1 | .0731 | 1.339 | 1.847 | 3.486 | 43.39 | 3223. |
| #2 | .1653 | 1.269 | 1.924 | 3.711 | 47.43 | 3226. |
| #3 | .1879 | .8881 | 1.941 | 3.282 | 39.27 | 3234. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-G-3-A Acquired: 4/11/2016 18:25:15 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9462. | 3.781 | 19660. | 6.396 | -.0113 | -1.200 |
| Stddev | 243. | .167 | 50. | .036 | .7250 | 1.127 |
| %RSD | 2.565 | 4.418 | .2560 | .5612 | 6412. | 93.92 |
| #1 | 9359. | 3.892 | 19710. | 6.405 | -.0005 | -.2110 |
| #2 | 9287. | 3.862 | 19660. | 6.356 | -.7416 | -2.427 |
| #3 | 9739. | 3.589 | 19610. | 6.426 | .7082 | -.9618 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.032 | -3.297 | .9825 | 14.56 | 15.01 | .0345 |
| Stddev | 1.459 | 1.774 | .3495 | .08 | .41 | .3135 |
| %RSD | 141.3 | 53.82 | 35.57 | .5538 | 2.727 | 909.9 |
| #1 | 1.765 | -3.187 | .8795 | 14.51 | 14.62 | .3129 |
| #2 | -.6474 | -5.124 | 1.372 | 14.51 | 15.43 | -.3051 |
| #3 | 1.980 | -1.580 | .6961 | 14.65 | 15.00 | .0955 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-G-3-A Acquired: 4/11/2016 18:25:15 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1434 | 225.7 | .5608 | 3742. |
| Stddev | .4461 | .3 | .1832 | 101. |
| %RSD | 311.0 | .1340 | 32.67 | 2.696 |

| | | | | |
|----|--------|-------|-------|-------|
| #1 | .5575 | 225.4 | .4268 | 3631. |
| #2 | -.3290 | 225.5 | .4860 | 3768. |
| #3 | .2018 | 226.0 | .7696 | 3828. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8881.7 | 59758. | 8883.4 |
| Stddev | 35.0 | 418. | 113.6 |
| %RSD | .39439 | .69924 | 1.2790 |

| | | | |
|----|--------|--------|--------|
| #1 | 8843.4 | 59442. | 8756.1 |
| #2 | 8912.1 | 60232. | 8919.8 |
| #3 | 8889.6 | 59601. | 8974.4 |

Sample Name: 460-111859-G-5-A Acquired: 4/11/2016 18:29:07 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 154.6 | 14.77 | 1.425 | 92.70 | -.0531 | 21430. |
| Stddev | 6.4 | 1.23 | .460 | .78 | .0854 | 75. |
| %RSD | 4.140 | 8.365 | 32.28 | .8437 | 160.9 | .3516 |
| #1 | 147.4 | 14.14 | 1.657 | 92.33 | -.0450 | 21360. |
| #2 | 159.5 | 16.19 | .8953 | 93.60 | .0280 | 21510. |
| #3 | 157.0 | 13.97 | 1.724 | 92.17 | -.1423 | 21420. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4182 | 26.06 | 2.231 | 2.812 | 25500. | 2286. |
| Stddev | .1178 | .19 | .134 | .486 | 118. | 23. |
| %RSD | 28.16 | .7422 | 6.014 | 17.27 | .4607 | 1.025 |
| #1 | -.3352 | 26.05 | 2.212 | 2.591 | 25380. | 2277. |
| #2 | -.5529 | 26.26 | 2.108 | 3.369 | 25620. | 2268. |
| #3 | -.3663 | 25.87 | 2.374 | 2.477 | 25510. | 2312. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-G-5-A Acquired: 4/11/2016 18:29:07 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 25280. | 6597. | 14220. | 6.581 | -1.525 | .5976 |
| Stddev | 105. | 19. | 51. | .279 | 1.770 | 2.527 |
| %RSD | .4143 | .2832 | .3557 | 4.236 | 116.1 | 422.9 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|--------|
| #1 | 25160. | 6576. | 14170. | 6.484 | .3336 | -2.051 |
| #2 | 25370. | 6611. | 14230. | 6.364 | -1.716 | .8615 |
| #3 | 25300. | 6603. | 14270. | 6.896 | -3.191 | 2.983 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.999 | 6.827 | 12.92 | 4.769 | 22.61 | .0157 |
| Stddev | 1.139 | 3.011 | .38 | .110 | .54 | .0907 |
| %RSD | 56.97 | 44.10 | 2.940 | 2.310 | 2.379 | 577.0 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 3.248 | 8.455 | 13.16 | 4.843 | 22.63 | .1031 |
| #2 | 1.730 | 3.353 | 12.48 | 4.821 | 23.14 | .0218 |
| #3 | 1.019 | 8.673 | 13.12 | 4.642 | 22.07 | -.0779 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-G-5-A Acquired: 4/11/2016 18:29:07 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0271 | 162.4 | 4.946 | 5665. |
| Stddev | .1813 | .6 | .146 | 74. |
| %RSD | 669.4 | .3571 | 2.957 | 1.298 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.1472 | 161.8 | 4.827 | 5580. |
| #2 | .2146 | 162.9 | 4.901 | 5713. |
| #3 | .0139 | 162.5 | 5.109 | 5701. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8788.8 | 59370. | 8893.2 |
| Stddev | 14.0 | 89. | 37.0 |
| %RSD | .15929 | .15029 | .41581 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8784.4 | 59431. | 8905.9 |
| #2 | 8777.6 | 59267. | 8851.5 |
| #3 | 8804.5 | 59410. | 8922.1 |

Sample Name: CCV Acquired: 4/11/2016 18:32:58 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 126100. | 2465. | 1237. | 9897. | 1044. | 125500. |
| Stddev | 403. | 5. | 5. | 4. | 1. | 231. |
| %RSD | .3192 | .1994 | .3773 | .0450 | .1343 | .1842 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 125700. | 2461. | 1232. | 9902. | 1044. | 125300. |
| #2 | 126500. | 2470. | 1238. | 9894. | 1045. | 125400. |
| #3 | 126200. | 2465. | 1242. | 9896. | 1042. | 125700. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1223. | 2449. | 5172. | 12480. | 101100. | 49740. |
| Stddev | 1. | 1. | 8. | 26. | 163. | 86. |
| %RSD | .0626 | .0426 | .1498 | .2115 | .1611 | .1727 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1223. | 2448. | 5169. | 12460. | 100900. | 49650. |
| #2 | 1222. | 2450. | 5166. | 12510. | 101100. | 49820. |
| #3 | 1223. | 2450. | 5181. | 12480. | 101200. | 49740. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 18:32:58 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 127100. | 5192. | 129100. | 2474. | 7392. | 983.3 |
| Stddev | 216. | 6. | 230. | 3. | 8. | .8 |
| %RSD | .1696 | .1088 | .1779 | .1097 | .1099 | .0794 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 127000. | 5190. | 129300. | 2476. | 7401. | 983.0 |
| #2 | 126900. | 5188. | 129300. | 2471. | 7387. | 984.2 |
| #3 | 127300. | 5199. | 128900. | 2475. | 7387. | 982.7 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2378. | 2425. | 2516. | 2473. | 971.7 | 2365. |
| Stddev | 1. | 2. | 2. | 5. | 3.7 | 1. |
| %RSD | .0467 | .0853 | .0970 | .1882 | .3784 | .0409 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2377. | 2424. | 2513. | 2478. | 969.5 | 2364. |
| #2 | 2378. | 2428. | 2517. | 2469. | 976.0 | 2364. |
| #3 | 2379. | 2425. | 2518. | 2471. | 969.7 | 2366. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 18:32:58 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 973.9 | 5051. | 10290. | 9682. |
| Stddev | 2.1 | 11. | 4. | 134. |
| %RSD | .2187 | .2250 | .0425 | 1.384 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 974.8 | 5064. | 10290. | 9816. |
| #2 | 975.4 | 5047. | 10300. | 9548. |
| #3 | 971.4 | 5042. | 10300. | 9683. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8319.8 | 56257. | 8586.7 |
| Stddev | 24.9 | 155. | 146.0 |
| %RSD | .29941 | .27495 | 1.7001 |

| | | | |
|----|--------|--------|--------|
| #1 | 8291.5 | 56105. | 8737.9 |
| #2 | 8329.7 | 56414. | 8446.5 |
| #3 | 8338.3 | 56251. | 8575.8 |

Sample Name: CCB Acquired: 4/11/2016 18:36:27 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3067 | .0966 | -.5484 | .0705 | -.0041 | -42.04 |
| Stddev | 4.574 | 1.242 | .1712 | .2658 | .0329 | 12.10 |
| %RSD | 1491. | 1286. | 31.22 | 376.9 | 797.2 | 28.77 |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| #1 | 4.480 | -.3842 | -.3738 | .3576 | .0112 | -32.53 |
| #2 | -4.632 | -.8333 | -.5553 | .0210 | .0183 | -37.95 |
| #3 | -.7680 | 1.507 | -.7160 | -.1670 | -.0418 | -55.66 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0198 | .0095 | -.1409 | 1.364 | 11.46 | 24.24 |
| Stddev | .1042 | .1516 | .8679 | .281 | 6.20 | 43.42 |
| %RSD | 525.3 | 1599. | 616.1 | 20.62 | 54.06 | 179.1 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | .0974 | .0969 | .8301 | 1.672 | 12.65 | 32.05 |
| #2 | -.1020 | -.1655 | -.8411 | 1.121 | 16.97 | 63.22 |
| #3 | -.0548 | .0971 | -.4117 | 1.300 | 4.754 | -22.55 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 18:36:27 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.297 | .2989 | 46.72 | .2065 | -.4849 | -1.720 |
| Stddev | 4.569 | .2547 | 18.82 | .1093 | .3161 | .653 |
| %RSD | 86.26 | 85.21 | 40.29 | 52.93 | 65.19 | 37.95 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|--------|
| #1 | 10.37 | .5930 | 63.88 | .0813 | -.1224 | -2.411 |
| #2 | 4.015 | .1495 | 49.68 | .2830 | -.6291 | -1.638 |
| #3 | 1.505 | .1542 | 26.59 | .2552 | -.7032 | -1.113 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.062 | -2.153 | -.1499 | -.0970 | 2.087 | .7123 |
| Stddev | 1.795 | 1.735 | .2257 | .1965 | .345 | .1382 |
| %RSD | 87.05 | 80.62 | 150.5 | 202.5 | 16.52 | 19.41 |

| | | | | | | |
|----|-------|--------|--------|--------|-------|-------|
| #1 | .6987 | -3.974 | .0747 | -.2564 | 2.382 | .7806 |
| #2 | 1.391 | -.5186 | -.1479 | -.1573 | 2.172 | .5532 |
| #3 | 4.096 | -1.965 | -.3766 | .1226 | 1.708 | .8031 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 18:36:27 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2389 | .3423 | .8438 | -1.887 |
| Stddev | .3375 | .2576 | .1965 | 9.409 |
| %RSD | 141.3 | 75.25 | 23.29 | 498.5 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .4388 | .6393 | .9455 | 6.855 |
| #2 | -.1507 | .2080 | .6173 | -11.84 |
| #3 | .4286 | .1796 | .9687 | -.6729 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8890.7 | 59152. | 8638.9 |
| Stddev | 29.1 | 350. | 141.1 |
| %RSD | .32697 | .59124 | 1.6330 |

| | | | |
|----|--------|--------|--------|
| #1 | 8881.5 | 59410. | 8782.1 |
| #2 | 8867.3 | 59291. | 8634.4 |
| #3 | 8923.2 | 58754. | 8500.1 |

Sample Name: CCVL Acquired: 4/11/2016 18:40:21 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 206.1 | 13.91 | 9.199 | 202.5 | 2.039 | 5065. |
| Stddev | 17.2 | 1.21 | .265 | .6 | .058 | 38. |
| %RSD | 8.362 | 8.735 | 2.882 | .2793 | 2.858 | .7431 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 188.9 | 15.14 | 9.491 | 202.9 | 1.983 | 5022. |
| #2 | 206.1 | 13.86 | 9.133 | 201.9 | 2.100 | 5088. |
| #3 | 223.4 | 12.71 | 8.974 | 202.8 | 2.034 | 5086. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.923 | 51.26 | 10.17 | 25.97 | 166.9 | 4994. |
| Stddev | .130 | .07 | .11 | .50 | 10.7 | 51. |
| %RSD | 3.308 | .1299 | 1.115 | 1.914 | 6.416 | 1.030 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.036 | 51.33 | 10.23 | 26.04 | 172.1 | 4948. |
| #2 | 3.781 | 51.25 | 10.25 | 26.42 | 174.0 | 5050. |
| #3 | 3.952 | 51.20 | 10.04 | 25.44 | 154.6 | 4983. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 18:40:21 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5125. | 16.71 | 5159. | 41.48 | 11.05 | 18.34 |
| Stddev | 56. | .10 | 17. | .31 | .58 | .98 |
| %RSD | 1.097 | .5897 | .3292 | .7368 | 5.286 | 5.343 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5061. | 16.59 | 5168. | 41.65 | 10.94 | 17.22 |
| #2 | 5150. | 16.76 | 5139. | 41.67 | 11.69 | 19.04 |
| #3 | 5164. | 16.76 | 5169. | 41.13 | 10.53 | 18.75 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.50 | 16.97 | 52.04 | 30.80 | 49.53 | 19.36 |
| Stddev | 2.48 | 1.20 | .31 | .39 | .16 | .08 |
| %RSD | 13.41 | 7.078 | .5979 | 1.271 | .3213 | .4269 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 20.68 | 17.70 | 51.76 | 30.35 | 49.58 | 19.26 |
| #2 | 19.02 | 17.63 | 51.98 | 30.99 | 49.35 | 19.42 |
| #3 | 15.80 | 15.59 | 52.38 | 31.06 | 49.66 | 19.38 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 18:40:21 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.82 | 21.33 | 21.58 | F 5.919 |
| Stddev | .46 | .22 | .28 | 5.261 |
| %RSD | .9392 | 1.038 | 1.306 | 88.89 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 48.35 | 21.24 | 21.25 | 10.25 |
| #2 | 48.84 | 21.59 | 21.73 | .0631 |
| #3 | 49.26 | 21.17 | 21.75 | 7.446 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8898.5 | 59708. | 8795.3 |
| Stddev | 32.4 | 399. | 128.6 |
| %RSD | .36460 | .66873 | 1.4619 |

| | | | |
|----|--------|--------|--------|
| #1 | 8923.8 | 60125. | 8829.3 |
| #2 | 8909.8 | 59670. | 8903.5 |
| #3 | 8861.9 | 59329. | 8653.2 |

Sample Name: 460-111859-G-6-A Acquired: 4/11/2016 18:44:12 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 14.70 | 8.024 | -8.128 | 199.7 | -1.287 | 16940. |
| Stddev | 4.58 | .504 | .2429 | .7 | .0307 | 86. |
| %RSD | 31.18 | 6.275 | 29.89 | .3255 | 23.84 | .5100 |

| | | | | | | |
|----|-------|-------|--------|-------|--------|--------|
| #1 | 18.36 | 8.531 | -1.020 | 200.1 | -.1263 | 16930. |
| #2 | 9.557 | 7.524 | -.5452 | 200.0 | -.0993 | 17030. |
| #3 | 16.18 | 8.019 | -.8737 | 198.9 | -.1606 | 16860. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6453 | 22.28 | .4842 | 1.145 | 34670. | 2525. |
| Stddev | .0569 | .13 | .2737 | .259 | 121. | 32. |
| %RSD | 8.816 | .6038 | 56.52 | 22.58 | .3486 | 1.254 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.6416 | 22.12 | .5875 | 1.080 | 34700. | 2509. |
| #2 | -.7039 | 22.37 | .1739 | .9253 | 34770. | 2504. |
| #3 | -.5903 | 22.34 | .6913 | 1.430 | 34540. | 2561. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-G-6-A Acquired: 4/11/2016 18:44:12 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 13080. | 121.2 | 14730. | 8.320 | -1.154 | .9342 |
| Stddev | 67. | .5 | 52. | .732 | 1.442 | 2.218 |
| %RSD | .5117 | .4464 | .3518 | 8.794 | 124.9 | 237.4 |

| | | | | | | |
|----|--------|-------|--------|-------|--------|--------|
| #1 | 13080. | 120.6 | 14690. | 7.919 | -2.641 | -.6627 |
| #2 | 13150. | 121.7 | 14700. | 7.877 | -1.061 | 3.467 |
| #3 | 13020. | 121.2 | 14790. | 9.165 | .2386 | -.0014 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7940 | .0486 | -.0126 | 4.061 | 36.78 | .2567 |
| Stddev | 1.352 | 1.324 | .4184 | .082 | .77 | .1659 |
| %RSD | 170.3 | 2722. | 3333. | 2.014 | 2.093 | 64.63 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | -1.505 | -.1361 | -.4147 | 4.092 | 36.48 | .0659 |
| #2 | -1.643 | -1.173 | -.0435 | 4.122 | 36.20 | .3668 |
| #3 | .7656 | 1.455 | .4205 | 3.968 | 37.65 | .3374 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111859-G-6-A Acquired: 4/11/2016 18:44:12 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1041 | 126.0 | -.2145 | 6411. |
| Stddev | .2132 | 1.0 | .2050 | 88. |
| %RSD | 204.7 | .7923 | 95.56 | 1.373 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | .1320 | 124.9 | -.4423 | 6405. |
| #2 | -.1621 | 126.6 | -.1564 | 6502. |
| #3 | -.2823 | 126.6 | -.0449 | 6326. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8775.6 | 59031. | 8609.1 |
| Stddev | 65.9 | 478. | 172.4 |
| %RSD | .75076 | .81010 | 2.0027 |

| | | | |
|----|--------|--------|--------|
| #1 | 8782.9 | 59100. | 8727.0 |
| #2 | 8706.4 | 58522. | 8689.2 |
| #3 | 8837.6 | 59471. | 8411.3 |

Sample Name: 460-111896-G-11-B Acquired: 4/11/2016 18:48:00 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.726 | 9.885 | 1.992 | 342.3 | -.1969 | 18840. |
| Stddev | 14.43 | 1.607 | .483 | 1.1 | .0757 | 76. |
| %RSD | 214.5 | 16.26 | 24.27 | .3189 | 38.43 | .4014 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|--------|
| #1 | -1.963 | 8.981 | 2.467 | 343.2 | -.2475 | 18780. |
| #2 | 23.38 | 8.933 | 2.010 | 342.7 | -.2334 | 18800. |
| #3 | -1.242 | 11.74 | 1.500 | 341.1 | -.1099 | 18920. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4029 | 74.14 | 1.304 | .9951 | 25520. | 3583. |
| Stddev | .0691 | .05 | .782 | .3794 | 79. | 45. |
| %RSD | 17.15 | .0655 | 59.95 | 38.13 | .3115 | 1.246 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.4384 | 74.15 | 1.281 | .6348 | 25530. | 3535. |
| #2 | -.4471 | 74.08 | .5344 | .9594 | 25430. | 3591. |
| #3 | -.3233 | 74.17 | 2.098 | 1.391 | 25590. | 3623. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-11-B Acquired: 4/11/2016 18:48:00 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17690. | F 11000. | 52630. | 10.73 | -2.792 | .3149 |
| Stddev | 69. | 51. | 68. | .20 | .462 | 2.037 |
| %RSD | .3912 | .4637 | .1297 | 1.896 | 16.54 | 646.9 |

| | | | | | | |
|----|--------|--------|--------|-------|--------|--------|
| #1 | 17670. | 10950. | 52550. | 10.85 | -2.337 | -2.019 |
| #2 | 17630. | 10990. | 52680. | 10.49 | -3.260 | 1.228 |
| #3 | 17770. | 11050. | 52650. | 10.85 | -2.779 | 1.735 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 10000. | | | | |
| Low Limit | | -15.00 | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.001 | 13.64 | 19.39 | 7.204 | 30.43 | .6760 |
| Stddev | 3.831 | 2.90 | .43 | .124 | .05 | .1287 |
| %RSD | 54.71 | 21.23 | 2.213 | 1.722 | .1542 | 19.04 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 7.546 | 15.49 | 19.27 | 7.229 | 30.47 | .5721 |
| #2 | 10.53 | 10.30 | 19.03 | 7.069 | 30.45 | .6358 |
| #3 | 2.927 | 15.13 | 19.87 | 7.314 | 30.38 | .8200 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111896-G-11-B Acquired: 4/11/2016 18:48:00 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1141 | 206.5 | -.3507 | 6512. |
| Stddev | .3525 | .9 | .0660 | 146. |
| %RSD | 308.8 | .4202 | 18.82 | 2.248 |

| | | | | |
|----|---------------|--------------|---------------|--------------|
| #1 | -.3018 | 205.9 | -.3969 | 6358. |
| #2 | .2925 | 207.5 | -.2751 | 6649. |
| #3 | -.3330 | 206.0 | -.3800 | 6529. |

| | | | | |
|------------|-----------------|-----------------|-----------------|-----------------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8784.2 | 58894. | 8820.7 |
| Stddev | 29.0 | 402. | 60.4 |
| %RSD | .33011 | .68305 | .68474 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8817.5 | 59223. | 8812.1 |
| #2 | 8764.9 | 59013. | 8884.9 |
| #3 | 8770.2 | 58445. | 8765.0 |

Sample Name: pds460-111850-A-3-A Acquired: 4/11/2016 18:51:57 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 31380. | 1984. | 52.95 | 2109. | 55.15 | 22570. |
| Stddev | 120. | 3. | .64 | 5. | .21 | 3. |
| %RSD | .3808 | .1390 | 1.217 | .2403 | .3839 | .0148 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|---------------|
| #1 | 31390. | 1981. | 52.39 | 2113. | 55.27 | 22570. |
| #2 | 31260. | 1984. | 52.81 | 2110. | 54.90 | 22580. |
| #3 | 31490. | 1987. | 53.65 | 2103. | 55.27 | 22570. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 48.74 | 513.5 | 263.3 | 308.7 | 52300. | 19530. |
| Stddev | .07 | 1.5 | 1.8 | 2.5 | 37. | 56. |
| %RSD | .1413 | .2883 | .6806 | .8081 | .0703 | .2845 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|---------------|---------------|
| #1 | 48.82 | 513.9 | 261.3 | 305.9 | 52260. | 19520. |
| #2 | 48.70 | 514.8 | 263.9 | 310.5 | 52330. | 19480. |
| #3 | 48.71 | 511.9 | 264.8 | 309.8 | 52310. | 19590. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds460-111850-A-3-A Acquired: 4/11/2016 18:51:57 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24070. | 1375. | 20570. | 542.7 | 591.6 | 489.7 |
| Stddev | 43. | . | 55. | 1.6 | 3.3 | 3.7 |
| %RSD | .1790 | .0345 | .2686 | .2939 | .5541 | .7577 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|--------------|--------------|
| #1 | 24020. | 1375. | 20560. | 544.1 | 591.2 | 493.9 |
| #2 | 24090. | 1376. | 20520. | 543.0 | 588.6 | 486.8 |
| #3 | 24090. | 1375. | 20630. | 540.9 | 595.1 | 488.5 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1875. | 1990. | 570.4 | 639.8 | 495.7 | 473.0 |
| Stddev | 10. | 13. | 4.8 | 1.4 | 4.1 | 3.1 |
| %RSD | .5207 | .6320 | .8453 | .2232 | .8253 | .6536 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 1882. | 2002. | 564.9 | 638.8 | 499.3 | 475.9 |
| #2 | 1864. | 1977. | 573.9 | 639.2 | 491.2 | 469.7 |
| #3 | 1879. | 1990. | 572.3 | 641.4 | 496.5 | 473.3 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: pds460-111850-A-3-A Acquired: 4/11/2016 18:51:57 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 504.4 | 521.6 | 1402. | 1308. |
| Stddev | 2.4 | 1.0 | 1. | 6. |
| %RSD | .4775 | .2009 | .1044 | .4611 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 505.3 | 521.7 | 1403. | 1304. |
| #2 | 501.7 | 520.5 | 1403. | 1315. |
| #3 | 506.3 | 522.5 | 1400. | 1305. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8807.1 | 58964. | 8759.6 |
| Stddev | 22.2 | 106. | 62.4 |
| %RSD | .25184 | .17964 | .71186 |

| | | | |
|----|--------|--------|--------|
| #1 | 8804.7 | 58844. | 8728.7 |
| #2 | 8830.4 | 59000. | 8831.3 |
| #3 | 8786.2 | 59047. | 8718.7 |

Sample Name: 460-111850-A-3-C MS Acquired: 4/11/2016 18:55:28 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 40800. | 1006. | 24.24 | 1145. | 28.50 | 12980. |
| Stddev | 145. | 1. | .26 | 3. | .18 | 58. |
| %RSD | .3563 | .0825 | 1.073 | .2583 | .6487 | .4432 |
| #1 | 40630. | 1007. | 24.06 | 1148. | 28.29 | 12970. |
| #2 | 40900. | 1007. | 24.13 | 1142. | 28.58 | 12930. |
| #3 | 40860. | 1006. | 24.54 | 1145. | 28.64 | 13040. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24.26 | 273.0 | 197.0 | 188.7 | 57960. | 11770. |
| Stddev | .15 | .1 | .8 | .9 | 244. | 30. |
| %RSD | .6217 | .0346 | .3885 | .4746 | .4209 | .2545 |
| #1 | 24.30 | 272.9 | 196.9 | 188.4 | 57970. | 11730. |
| #2 | 24.09 | 273.0 | 196.3 | 189.7 | 57710. | 11790. |
| #3 | 24.39 | 273.1 | 197.8 | 188.0 | 58190. | 11780. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-3-C MS Acquired: 4/11/2016 18:55:28 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18460. | 1200. | 10460. | 325.6 | 351.9 | 162.6 |
| Stddev | 81. | 4. | 30. | .7 | 1.7 | 1.8 |
| %RSD | .4400 | .3130 | .2885 | .2028 | .4839 | 1.130 |

| | | | | | | |
|----|---------------|--------------|---------------|--------------|--------------|--------------|
| #1 | 18470. | 1199. | 10430. | 326.0 | 351.1 | 161.3 |
| #2 | 18370. | 1196. | 10470. | 326.0 | 350.8 | 164.7 |
| #3 | 18530. | 1204. | 10490. | 324.9 | 353.9 | 161.7 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 954.4 | 1011. | 334.9 | 413.2 | 248.5 | 238.8 |
| Stddev | .7 | 7. | 1.0 | 1.2 | .1 | .9 |
| %RSD | .0700 | .7396 | .3020 | .2993 | .0572 | .3710 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 953.8 | 1003. | 334.9 | 411.8 | 248.4 | 238.5 |
| #2 | 955.1 | 1013. | 333.9 | 414.2 | 248.6 | 238.0 |
| #3 | 954.3 | 1018. | 335.9 | 413.6 | 248.5 | 239.8 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-3-C MS Acquired: 4/11/2016 18:55:28 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 249.9 | 274.7 | 1576. | 1384. |
| Stddev | .5 | .6 | 1. | 10. |
| %RSD | .2190 | .2201 | .0474 | .6926 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 250.0 | 274.3 | 1575. | 1390. |
| #2 | 249.3 | 275.4 | 1575. | 1388. |
| #3 | 250.4 | 274.4 | 1577. | 1373. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8807.7 | 58568. | 8664.2 |
| Stddev | 17.1 | 445. | 44.6 |
| %RSD | .19409 | .75993 | .51511 |

| | | | |
|----|--------|--------|--------|
| #1 | 8827.3 | 58583. | 8681.3 |
| #2 | 8796.0 | 59006. | 8697.8 |
| #3 | 8799.9 | 58116. | 8613.6 |

Sample Name: 460-111850-A-3-B DU Acquired: 4/11/2016 18:59:05 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26850. | 32.55 | -.5230 | 101.8 | 1.154 | 2332. |
| Stddev | 2. | .67 | .1469 | .8 | .038 | 13. |
| %RSD | .0072 | 2.049 | 28.09 | .7643 | 3.312 | .5375 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 26850. | 32.60 | -.6586 | 102.5 | 1.197 | 2332. |
| #2 | 26850. | 31.86 | -.3669 | 102.0 | 1.127 | 2319. |
| #3 | 26850. | 33.20 | -.5435 | 101.0 | 1.136 | 2344. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6884 | 14.35 | 44.86 | 50.92 | 48100. | 1215. |
| Stddev | .0572 | .18 | .79 | .34 | 182. | 32. |
| %RSD | 8.316 | 1.273 | 1.771 | .6671 | .3777 | 2.613 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.7046 | 14.49 | 45.70 | 51.14 | 48250. | 1241. |
| #2 | -.6248 | 14.14 | 44.12 | 51.10 | 47900. | 1180. |
| #3 | -.7357 | 14.41 | 44.77 | 50.53 | 48160. | 1226. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-3-B DU Acquired: 4/11/2016 18:59:05 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3969. | 878.8 | 89.87 | 40.10 | 90.85 | .3800 |
| Stddev | 21. | 2.1 | 4.73 | .31 | 1.88 | .6396 |
| %RSD | .5242 | .2376 | 5.261 | .7684 | 2.064 | 168.3 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 3985. | 881.2 | 94.43 | 39.77 | 91.88 | 1.038 |
| #2 | 3945. | 877.2 | 90.19 | 40.38 | 88.68 | .3407 |
| #3 | 3977. | 878.1 | 84.99 | 40.14 | 91.98 | -.2389 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.063 | .5079 | 53.29 | 135.0 | 2.810 | 1.288 |
| Stddev | 1.343 | 3.745 | .26 | .6 | .388 | .176 |
| %RSD | 33.04 | 737.4 | .4835 | .4153 | 13.81 | 13.66 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 3.063 | 4.650 | 53.37 | 134.4 | 3.223 | 1.086 |
| #2 | 3.538 | -2.638 | 53.50 | 135.1 | 2.756 | 1.400 |
| #3 | 5.589 | -.4888 | 53.00 | 135.5 | 2.453 | 1.379 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-3-B DU Acquired: 4/11/2016 18:59:05 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.229 | 14.41 | 824.7 | 1144. |
| Stddev | .406 | .09 | 3.5 | 20. |
| %RSD | 4.938 | .6379 | .4190 | 1.712 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 8.668 | 14.41 | 827.5 | 1152. |
| #2 | 8.153 | 14.51 | 825.6 | 1159. |
| #3 | 7.866 | 14.32 | 820.8 | 1122. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9000.8 | 60298. | 9011.5 |
| Stddev | 26.1 | 300. | 99.0 |
| %RSD | .28954 | .49781 | 1.0991 |

| | | | |
|----|--------|--------|--------|
| #1 | 9001.0 | 60145. | 9043.2 |
| #2 | 9026.7 | 60644. | 9090.8 |
| #3 | 8974.6 | 60106. | 8900.5 |

Sample Name: 460-111850-A-3-A@4 Acquired: 4/11/2016 19:02:52 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 29170. | 42.82 | -.4428 | 129.9 | 1.204 | 2491. |
| Stddev | 70. | 1.73 | .8473 | .6 | .129 | 8. |
| %RSD | .2384 | 4.034 | 191.4 | .4748 | 10.69 | .3383 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 29090. | 40.95 | -1.150 | 130.5 | 1.305 | 2485. |
| #2 | 29180. | 43.17 | -.6743 | 130.1 | 1.059 | 2487. |
| #3 | 29230. | 44.35 | .4962 | 129.3 | 1.248 | 2501. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7420 | 14.56 | 48.27 | 57.01 | 51790. | 1258. |
| Stddev | .1128 | .18 | .19 | 1.06 | 164. | 10. |
| %RSD | 15.20 | 1.218 | .3913 | 1.852 | .3159 | .7962 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.7360 | 14.52 | 48.49 | 58.01 | 51780. | 1261. |
| #2 | -.6323 | 14.75 | 48.13 | 57.11 | 51640. | 1266. |
| #3 | -.8576 | 14.40 | 48.21 | 55.91 | 51970. | 1247. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-3-A@4 Acquired: 4/11/2016 19:02:52 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4227. | 854.8 | 83.92 | 37.29 | 95.67 | 1.930 |
| Stddev | 18. | 3.0 | 6.95 | .69 | .55 | 1.575 |
| %RSD | .4158 | .3471 | 8.280 | 1.837 | .5792 | 81.60 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4222. | 853.4 | 90.22 | 37.78 | 95.21 | 3.713 |
| #2 | 4212. | 852.9 | 85.07 | 37.59 | 96.29 | 1.349 |
| #3 | 4246. | 858.2 | 76.47 | 36.51 | 95.53 | .7283 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.088 | -1.821 | 60.71 | 144.7 | 2.859 | 1.462 |
| Stddev | 1.946 | 1.338 | .33 | .9 | .650 | .234 |
| %RSD | 63.02 | 73.46 | .5490 | .6454 | 22.72 | 15.99 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 1.975 | -.2795 | 60.74 | 143.6 | 2.281 | 1.206 |
| #2 | 5.336 | -2.677 | 61.02 | 145.3 | 3.562 | 1.516 |
| #3 | 1.955 | -2.508 | 60.36 | 145.2 | 2.735 | 1.664 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111850-A-3-A@4 Acquired: 4/11/2016 19:02:52 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.330 | 15.65 | 869.1 | 1224. |
| Stddev | .309 | .06 | 1.6 | 26. |
| %RSD | 3.704 | .3710 | .1840 | 2.140 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 8.455 | 15.72 | 868.3 | 1221. |
| #2 | 8.557 | 15.63 | 868.1 | 1252. |
| #3 | 7.979 | 15.61 | 871.0 | 1200. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8959.9 | 60179. | 8936.7 |
| Stddev | 31.6 | 510. | 143.4 |
| %RSD | .35310 | .84678 | 1.6045 |

| | | | |
|----|--------|--------|--------|
| #1 | 8996.4 | 60509. | 8937.1 |
| #2 | 8943.5 | 60436. | 9079.8 |
| #3 | 8939.9 | 59592. | 8793.1 |

Sample Name: sd460-111850-A-3-A@2 Acquired: 4/11/2016 19:06:38 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5915. | 9.425 | -.4400 | 26.17 | .1078 | 476.1 |
| Stddev | 10. | 1.554 | .1056 | .20 | .0517 | 6.8 |
| %RSD | .1669 | 16.49 | 24.00 | .7707 | 47.97 | 1.418 |
| #1 | 5913. | 10.01 | -.3570 | 26.07 | .0548 | 469.1 |
| #2 | 5926. | 10.60 | -.4041 | 26.40 | .1581 | 482.6 |
| #3 | 5906. | 7.664 | -.5589 | 26.04 | .1105 | 476.6 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1356 | 2.724 | 9.457 | 12.14 | 10960. | 251.2 |
| Stddev | .0408 | .148 | .186 | .13 | 74. | 11.0 |
| %RSD | 30.05 | 5.443 | 1.968 | 1.107 | .6721 | 4.381 |
| #1 | -.1756 | 2.744 | 9.413 | 12.07 | 10880. | 244.9 |
| #2 | -.0941 | 2.861 | 9.661 | 12.06 | 11010. | 244.8 |
| #3 | -.1372 | 2.566 | 9.297 | 12.30 | 11000. | 263.9 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111850-A-3-A@2 Acquired: 4/11/2016 19:06:38 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 862.4 | 181.0 | 30.00 | 7.713 | 18.83 | -1.860 |
| Stddev | 12.9 | 1.0 | 1.83 | .480 | 1.61 | 1.083 |
| %RSD | 1.500 | .5603 | 6.100 | 6.228 | 8.553 | 58.22 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 847.4 | 179.9 | 31.48 | 7.975 | 17.87 | -.9493 |
| #2 | 870.4 | 181.4 | 30.56 | 7.158 | 20.69 | -3.057 |
| #3 | 869.2 | 181.8 | 27.95 | 8.005 | 17.94 | -1.573 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .4937 | -1.120 | 12.26 | 29.49 | .9364 | -.2939 |
| Stddev | .6800 | 2.700 | .19 | .23 | .2844 | .2147 |
| %RSD | 137.7 | 241.1 | 1.584 | .7804 | 30.38 | 73.06 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | 1.261 | .3858 | 12.16 | 29.25 | .7078 | -.5337 |
| #2 | .2566 | .4919 | 12.14 | 29.52 | 1.255 | -.1197 |
| #3 | -.0360 | -4.237 | 12.49 | 29.71 | .8464 | -.2282 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: sd460-111850-A-3-A@2 Acquired: 4/11/2016 19:06:38 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2.016 | 3.225 | 180.7 | 249.2 |
| Stddev | .678 | .018 | 1.5 | 10.4 |
| %RSD | 33.64 | .5660 | .8108 | 4.174 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 1.313 | 3.204 | 179.0 | 251.6 |
| #2 | 2.666 | 3.238 | 181.4 | 258.1 |
| #3 | 2.069 | 3.232 | 181.7 | 237.8 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9005.8 | 60052. | 8951.9 |
| Stddev | 20.2 | 324. | 102.0 |
| %RSD | .22437 | .53963 | 1.1395 |

| | | | |
|----|--------|--------|--------|
| #1 | 9024.4 | 59706. | 8838.9 |
| #2 | 9008.7 | 60102. | 9037.3 |
| #3 | 8984.3 | 60348. | 8979.5 |

Sample Name: MB 460-361839/1-A@2 Acquired: 4/11/2016 19:10:29 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 14.79 | -1.081 | -.0861 | .0708 | -.1364 | -34.82 |
| Stddev | 10.40 | .988 | .1983 | .2312 | .1048 | 3.36 |
| %RSD | 70.33 | 91.43 | 230.4 | 326.4 | 76.87 | 9.643 |
| #1 | 6.072 | -1.566 | .0196 | .2375 | -.1322 | -35.63 |
| #2 | 26.30 | -1.732 | .0370 | .1681 | -.0337 | -31.14 |
| #3 | 11.99 | .0563 | -.3148 | -.1931 | -.2433 | -37.71 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0717 | -.1684 | .1275 | .6595 | 22.09 | 23.49 |
| Stddev | .0802 | .0495 | .2989 | .3785 | 6.03 | 24.14 |
| %RSD | 111.8 | 29.38 | 234.5 | 57.40 | 27.29 | 102.8 |
| #1 | .0164 | -.1874 | -.1287 | .3500 | 17.64 | -2.928 |
| #2 | -.0911 | -.2056 | .4560 | .5469 | 28.95 | 29.00 |
| #3 | -.1403 | -.1123 | .0551 | 1.081 | 19.68 | 44.40 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361839/1-A@2 Acquired: 4/11/2016 19:10:29 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.365 | .1373 | 15.69 | .0224 | -1.341 | -.6310 |
| Stddev | .646 | .0111 | 5.90 | .2024 | .262 | .6246 |
| %RSD | 47.36 | 8.055 | 37.61 | 904.4 | 19.55 | 98.99 |
| #1 | .8073 | .1485 | 22.35 | -.1864 | -1.304 | -.6445 |
| #2 | 1.213 | .1370 | 13.60 | .2177 | -1.100 | -1.249 |
| #3 | 2.073 | .1264 | 11.12 | .0358 | -1.620 | .0003 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.679 | -3.559 | -.1296 | .2354 | 1.982 | -.3194 |
| Stddev | 2.864 | .494 | .3597 | .0493 | .160 | .0944 |
| %RSD | 106.9 | 13.88 | 277.7 | 20.94 | 8.053 | 29.55 |
| #1 | 5.965 | -4.055 | -.3443 | .2144 | 1.980 | -.2911 |
| #2 | 1.367 | -3.066 | .2857 | .2918 | 1.823 | -.2424 |
| #3 | .7066 | -3.556 | -.3301 | .2001 | 2.142 | -.4247 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: MB 460-361839/1-A@2 Acquired: 4/11/2016 19:10:29 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.78 | .2517 | -.6996 | 5.007 |
| Stddev | .24 | .0871 | .1876 | 7.962 |
| %RSD | 2.234 | 34.59 | 26.82 | 159.0 |

| | | | | |
|----|--------------|--------------|---------------|---------------|
| #1 | 10.78 | .1531 | -.6625 | -4.092 |
| #2 | 11.01 | .2836 | -.9029 | 10.70 |
| #3 | 10.53 | .3182 | -.5333 | 8.416 |

| | | | | |
|------------|-----------------|-----------------|-----------------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8930.1 | 60380. | 8932.9 |
| Stddev | 37.7 | 459. | 75.3 |
| %RSD | .42242 | .75955 | .84281 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 8887.1 | 59852. | 8846.4 |
| #2 | 8957.4 | 60610. | 8983.1 |
| #3 | 8945.8 | 60678. | 8969.3 |

Sample Name: LCSSRM 460-361839/2- Acquired: 4/11/2016 19:14:24 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36960. | 698.1 | 146.9 | 1011. | 499.7 | 27790. |
| Stddev | 32. | .7 | 1.7 | 3. | 1.0 | 147. |
| %RSD | .0853 | .1051 | 1.183 | .2484 | .2078 | .5292 |
| #1 | 37000. | 697.7 | 148.9 | 1013. | 500.3 | 27960. |
| #2 | 36950. | 697.6 | 146.0 | 1011. | 500.3 | 27710. |
| #3 | 36940. | 698.9 | 145.8 | 1008. | 498.5 | 27700. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 436.1 | 798.9 | 737.6 | 848.5 | 71980. | 11060. |
| Stddev | .6 | 2.0 | 3.2 | .7 | 312. | 19. |
| %RSD | .1376 | .2526 | .4283 | .0866 | .4335 | .1745 |
| #1 | 436.7 | 801.0 | 741.2 | 849.0 | 72330. | 11060. |
| #2 | 435.7 | 798.7 | 735.5 | 848.9 | 71840. | 11070. |
| #3 | 435.7 | 797.0 | 736.0 | 847.7 | 71760. | 11040. |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: LCSSRM 460-361839/2- Acquired: 4/11/2016 19:14:24 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12650. | 1604. | 4386. | 686.3 | 742.5 | 399.6 |
| Stddev | 55. | 6. | 8. | 1.3 | 1.0 | 2.5 |
| %RSD | .4323 | .3531 | .1851 | .1901 | .1383 | .6153 |

| | | | | | | |
|----|--------|-------|-------|-------|-------|-------|
| #1 | 12700. | 1611. | 4384. | 687.8 | 741.3 | 401.5 |
| #2 | 12600. | 1601. | 4394. | 685.7 | 743.1 | 400.5 |
| #3 | 12640. | 1601. | 4378. | 685.4 | 743.1 | 396.9 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 836.1 | 737.6 | 563.5 | 960.0 | 643.0 | 563.2 |
| Stddev | 4.4 | 2.8 | 1.5 | 1.5 | 3.1 | 1.0 |
| %RSD | .5287 | .3826 | .2637 | .1601 | .4856 | .1759 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 839.9 | 734.8 | 565.3 | 961.7 | 639.8 | 562.7 |
| #2 | 831.2 | 740.5 | 562.6 | 958.8 | 646.0 | 564.4 |
| #3 | 837.3 | 737.3 | 562.7 | 959.5 | 643.3 | 562.7 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: LCSSRM 460-361839/2- Acquired: 4/11/2016 19:14:24 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 721.7 | 520.7 | 1487. | 1651. |
| Stddev | 2.1 | 1.0 | 2. | 19. |
| %RSD | .2943 | .1849 | .1433 | 1.121 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 719.3 | 520.0 | 1490. | 1631. |
| #2 | 723.4 | 521.8 | 1486. | 1667. |
| #3 | 722.3 | 520.3 | 1486. | 1655. |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8968.4 | 60113. | 8989.1 |
| Stddev | 29.4 | 396. | 116.2 |
| %RSD | .32822 | .65922 | 1.2928 |

| | | | |
|----|--------|--------|--------|
| #1 | 8978.4 | 59678. | 8868.9 |
| #2 | 8991.5 | 60453. | 9100.9 |
| #3 | 8935.3 | 60207. | 8997.4 |

Sample Name: 460-111843-A-1-B@4 Acquired: 4/11/2016 19:17:58 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 55350. | 37.03 | -1.998 | 204.7 | 2.521 | 44000. |
| Stddev | 665. | 2.64 | .289 | 1.7 | .049 | 537. |
| %RSD | 1.201 | 7.139 | 14.49 | .8427 | 1.955 | 1.221 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|--------|
| #1 | 54700. | 33.98 | -1.855 | 203.4 | 2.558 | 43620. |
| #2 | 55310. | 38.46 | -2.331 | 203.9 | 2.465 | 43760. |
| #3 | 56030. | 38.65 | -1.807 | 206.7 | 2.539 | 44610. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.324 | 57.16 | 90.59 | 318.1 | 119000. | 3408. |
| Stddev | .122 | .74 | .87 | 2.8 | 1306. | 41. |
| %RSD | 9.199 | 1.303 | .9634 | .8936 | 1.097 | 1.190 |

| | | | | | | |
|----|--------|-------|-------|-------|---------|-------|
| #1 | -1.202 | 56.62 | 89.62 | 315.3 | 118000. | 3364. |
| #2 | -1.326 | 56.84 | 90.84 | 317.9 | 118400. | 3416. |
| #3 | -1.446 | 58.01 | 91.31 | 321.0 | 120500. | 3444. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111843-A-1-B@4 Acquired: 4/11/2016 19:17:58 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 39990. | 1213. | 2796. | 125.0 | 67.86 | 4.358 |
| Stddev | 487. | 14. | 32. | 1.6 | .94 | .544 |
| %RSD | 1.216 | 1.126 | 1.129 | 1.275 | 1.386 | 12.48 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|--------------|
| #1 | 39650. | 1202. | 2760. | 123.3 | 66.88 | 3.940 |
| #2 | 39780. | 1208. | 2808. | 125.2 | 67.97 | 4.973 |
| #3 | 40550. | 1228. | 2820. | 126.5 | 68.75 | 4.161 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.571 | 1.244 | 207.7 | 246.8 | 179.5 | 4.213 |
| Stddev | 1.865 | 4.215 | 1.9 | 3.8 | 1.9 | .365 |
| %RSD | 52.22 | 339.0 | .9164 | 1.527 | 1.036 | 8.663 |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|--------------|--------------|
| #1 | 1.472 | 5.241 | 206.2 | 243.0 | 177.6 | 3.795 |
| #2 | 4.206 | 1.650 | 207.0 | 246.8 | 179.5 | 4.381 |
| #3 | 5.037 | -3.160 | 209.8 | 250.5 | 181.4 | 4.464 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111843-A-1-B@4 Acquired: 4/11/2016 19:17:58 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 18.20 | 136.2 | 5868. | 822.9 |
| Stddev | .46 | 1.5 | 60. | 13.8 |
| %RSD | 2.555 | 1.083 | 1.025 | 1.681 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 17.91 | 134.8 | 5818. | 809.1 |
| #2 | 18.74 | 136.1 | 5851. | 823.0 |
| #3 | 17.95 | 137.7 | 5934. | 836.7 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8945.0 | 60267. | 9074.6 |
| Stddev | 24.6 | 284. | 40.9 |
| %RSD | .27464 | .47108 | .45078 |

| | | | |
|----|--------|--------|--------|
| #1 | 8949.8 | 60107. | 9110.7 |
| #2 | 8966.7 | 60594. | 9030.2 |
| #3 | 8918.3 | 60098. | 9082.9 |

Sample Name: CCV Acquired: 4/11/2016 19:21:42 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 126500. | 2483. | 1249. | 9896. | 1048. | 125300. |
| Stddev | 142. | 6. | 3. | 11. | 2. | 133. |
| %RSD | .1123 | .2572 | .2316 | .1121 | .1540 | .1061 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 126400. | 2486. | 1252. | 9905. | 1047. | 125400. |
| #2 | 126600. | 2487. | 1249. | 9900. | 1050. | 125200. |
| #3 | 126400. | 2476. | 1246. | 9884. | 1048. | 125400. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1222. | 2452. | 5190. | 12640. | 101200. | 49770. |
| Stddev | 1. | 4. | 10. | 31. | 155. | 61. |
| %RSD | .0977 | .1772 | .1934 | .2427 | .1529 | .1223 |

| | | | | | | |
|----|-------|-------|-------|--------|---------|--------|
| #1 | 1223. | 2455. | 5197. | 12660. | 101300. | 49700. |
| #2 | 1223. | 2453. | 5179. | 12640. | 101000. | 49820. |
| #3 | 1221. | 2447. | 5196. | 12600. | 101200. | 49780. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 19:21:42 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 127200. | 5198. | 129700. | 2479. | 7398. | 991.8 |
| Stddev | 121. | 5. | 166. | 2. | 8. | 4.5 |
| %RSD | .0954 | .0934 | .1279 | .0906 | .1054 | .4533 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 127200. | 5203. | 129800. | 2476. | 7406. | 996.7 |
| #2 | 127100. | 5194. | 129900. | 2481. | 7398. | 990.9 |
| #3 | 127300. | 5196. | 129500. | 2479. | 7391. | 987.9 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2396. | 2421. | 2530. | 2465. | 979.8 | 2369. |
| Stddev | 4. | 9. | 3. | 1. | 1.6 | 2. |
| %RSD | .1675 | .3597 | .1162 | .0568 | .1653 | .0893 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2400. | 2422. | 2532. | 2465. | 978.2 | 2369. |
| #2 | 2397. | 2428. | 2532. | 2464. | 981.4 | 2371. |
| #3 | 2392. | 2411. | 2527. | 2466. | 979.9 | 2367. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 19:21:42 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 976.1 | 5057. | 10340. | 9739. |
| Stddev | 4.1 | 3. | 17. | 152. |
| %RSD | .4177 | .0684 | .1618 | 1.558 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 976.8 | 5054. | 10360. | 9653. |
| #2 | 979.8 | 5061. | 10340. | 9650. |
| #3 | 971.7 | 5058. | 10330. | 9914. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8342.6 | 56628. | 8588.1 |
| Stddev | 11.0 | 147. | 50.0 |
| %RSD | .13240 | .26037 | .58178 |

| | | | |
|----|--------|--------|--------|
| #1 | 8339.7 | 56459. | 8563.3 |
| #2 | 8354.8 | 56691. | 8555.3 |
| #3 | 8333.2 | 56733. | 8645.6 |

Sample Name: CCB Acquired: 4/11/2016 19:25:10 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.778 | -.5865 | -.2298 | .3196 | .0165 | -47.46 |
| Stddev | 9.885 | .4558 | .5807 | .0433 | .0666 | 3.70 |
| %RSD | 206.9 | 77.72 | 252.7 | 13.54 | 402.8 | 7.786 |

| | | | | | | |
|----|--------|--------|--------|-------|--------|--------|
| #1 | 16.19 | -.1867 | -.1094 | .3674 | .0935 | -43.73 |
| #2 | -.7972 | -1.083 | .2814 | .2831 | -.0224 | -51.12 |
| #3 | -1.061 | -4.900 | -.8613 | .3081 | -.0215 | -47.53 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0114 | -.0533 | -.2088 | 1.337 | 16.71 | 35.30 |
| Stddev | .1176 | .2265 | .3251 | .603 | 5.89 | 10.70 |
| %RSD | 1031. | 424.8 | 155.7 | 45.12 | 35.26 | 30.30 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|-------|
| #1 | .0992 | .2058 | .1107 | 1.994 | 18.28 | 47.20 |
| #2 | -.1222 | -.1525 | -.5392 | 1.209 | 21.66 | 26.48 |
| #3 | .0572 | -.2132 | -.1979 | .8080 | 10.19 | 32.22 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 19:25:10 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.323 | .2567 | 38.56 | .1626 | -.0373 | .0277 |
| Stddev | 4.322 | .1906 | 20.51 | .3576 | .3222 | 1.177 |
| %RSD | 130.1 | 74.25 | 53.19 | 219.9 | 863.3 | 4244. |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 8.294 | .4393 | 59.21 | -.1286 | .1497 | .7143 |
| #2 | 1.223 | .2719 | 38.27 | .5617 | .1476 | .7006 |
| #3 | .4509 | .0590 | 18.20 | .0547 | -.4093 | -1.332 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.045 | -1.122 | .2001 | .0002 | 2.559 | .8626 |
| Stddev | 2.801 | 1.750 | .1434 | .0775 | .621 | .0673 |
| %RSD | 92.00 | 156.0 | 71.65 | 35320. | 24.26 | 7.807 |

| | | | | | | |
|----|-------|--------|-------|--------|-------|-------|
| #1 | 2.361 | -2.928 | .3611 | .0865 | 3.265 | .9070 |
| #2 | .6489 | -1.002 | .1532 | -.0636 | 2.316 | .8958 |
| #3 | 6.125 | .5652 | .0861 | -.0222 | 2.096 | .7851 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 19:25:10 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1185 | .3421 | 1.008 | 3.293 |
| Stddev | .2097 | .2927 | .336 | 6.515 |
| %RSD | 177.0 | 85.57 | 33.31 | 197.8 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .0750 | .6796 | 1.304 | 8.244 |
| #2 | -.3413 | .1576 | .6433 | -4.087 |
| #3 | -.0891 | .1890 | 1.077 | 5.722 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8923.8 | 59758. | 8700.8 |
| Stddev | 53.4 | 173. | 128.6 |
| %RSD | .59816 | .28946 | 1.4782 |

| | | | |
|----|--------|--------|--------|
| #1 | 8862.4 | 59886. | 8728.6 |
| #2 | 8959.7 | 59561. | 8560.5 |
| #3 | 8949.2 | 59826. | 8813.2 |

Sample Name: CCVL Acquired: 4/11/2016 19:29:04 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 223.4 | 14.51 | 8.846 | 202.4 | 2.079 | 5054. |
| Stddev | 3.9 | .45 | .124 | .3 | .071 | 57. |
| %RSD | 1.764 | 3.121 | 1.396 | .1616 | 3.412 | 1.129 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 221.1 | 14.40 | 8.738 | 202.7 | 2.044 | 5049. |
| #2 | 227.9 | 15.01 | 8.981 | 202.1 | 2.160 | 4999. |
| #3 | 221.1 | 14.13 | 8.821 | 202.6 | 2.032 | 5113. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.032 | 51.26 | 10.67 | 26.25 | 171.1 | 4963. |
| Stddev | .023 | .09 | .42 | .38 | 2.8 | 55. |
| %RSD | .5644 | .1789 | 3.982 | 1.442 | 1.659 | 1.106 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4.054 | 51.25 | 10.20 | 26.19 | 173.9 | 4902. |
| #2 | 4.035 | 51.36 | 11.04 | 26.66 | 168.2 | 5008. |
| #3 | 4.008 | 51.18 | 10.75 | 25.91 | 171.1 | 4979. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 19:29:04 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5099. | 16.87 | 5168. | 41.51 | 10.28 | 18.29 |
| Stddev | 70. | .13 | 16. | .34 | 1.63 | 1.09 |
| %RSD | 1.382 | .7711 | .3132 | .8248 | 15.81 | 5.974 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 5065. | 16.72 | 5150. | 41.16 | 9.150 | 18.03 |
| #2 | 5052. | 16.91 | 5171. | 41.52 | 9.550 | 19.49 |
| #3 | 5180. | 16.97 | 5182. | 41.85 | 12.14 | 17.35 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.53 | 19.03 | 52.24 | 30.70 | 49.81 | 19.16 |
| Stddev | 2.44 | .32 | .42 | .18 | .07 | .34 |
| %RSD | 11.86 | 1.707 | .7962 | .6022 | .1411 | 1.771 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 20.71 | 19.08 | 51.76 | 30.55 | 49.89 | 19.02 |
| #2 | 18.01 | 18.69 | 52.45 | 30.65 | 49.76 | 18.91 |
| #3 | 22.87 | 19.33 | 52.51 | 30.91 | 49.77 | 19.55 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 19:29:04 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 49.36 | 21.62 | 21.78 | F 12.72 |
| Stddev | .76 | .53 | .39 | 5.81 |
| %RSD | 1.530 | 2.446 | 1.800 | 45.68 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 48.76 | 21.25 | 21.41 | 14.57 |
| #2 | 49.10 | 22.22 | 22.19 | 6.210 |
| #3 | 50.21 | 21.38 | 21.73 | 17.38 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8921.4 | 60098. | 8905.5 |
| Stddev | 57.7 | 829. | 169.0 |
| %RSD | .64697 | 1.3802 | 1.8980 |

| | | | |
|----|--------|--------|--------|
| #1 | 8987.6 | 60060. | 8885.9 |
| #2 | 8894.4 | 60946. | 9083.5 |
| #3 | 8882.0 | 59289. | 8747.1 |

Sample Name: 460-111845-A-1-A@4 Acquired: 4/11/2016 19:32:55 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3611. | 109.5 | 33.58 | 4656. | 9.657 | F 416000. |
| Stddev | 21. | 1.8 | .34 | 36. | .177 | 3414. |
| %RSD | .5889 | 1.682 | 1.025 | .7670 | 1.836 | .8207 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|---------|
| #1 | 3591. | 111.4 | 33.52 | 4677. | 9.760 | 413200. |
| #2 | 3608. | 109.3 | 33.27 | 4676. | 9.760 | 415000. |
| #3 | 3633. | 107.8 | 33.95 | 4615. | 9.453 | 419800. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| High Limit | | | | | | 250000. |
| Low Limit | | | | | | -200.0 |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 37.06 | 247.5 | 153.9 | 349.7 | 72410. | 727.2 |
| Stddev | .16 | 2.1 | 2.1 | .6 | 461. | 12.0 |
| %RSD | .4310 | .8321 | 1.338 | .1694 | .6372 | 1.651 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 37.14 | 249.0 | 151.5 | 350.3 | 71900. | 716.2 |
| #2 | 37.16 | 248.4 | 154.9 | 349.1 | 72530. | 725.6 |
| #3 | 36.87 | 245.1 | 155.3 | 349.6 | 72800. | 740.0 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111845-A-1-A@4 Acquired: 4/11/2016 19:32:55 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5346. | F 114600. | 26690. | 210.5 | 2.530 | 7.670 |
| Stddev | 47. | 1081. | 116. | 1.4 | .625 | 1.251 |
| %RSD | .8799 | .9430 | .4356 | .6674 | 24.69 | 16.31 |

| | | | | | | |
|----|-------|---------|--------|-------|-------|-------|
| #1 | 5296. | 113600. | 26560. | 210.5 | 1.841 | 8.926 |
| #2 | 5352. | 114500. | 26770. | 211.9 | 3.059 | 6.424 |
| #3 | 5389. | 115700. | 26750. | 209.1 | 2.689 | 7.659 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 10000. | | | | |
| Low Limit | | -15.00 | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 144.5 | 222.0 | 238.0 | 716.3 | 254.9 | 17.69 |
| Stddev | 4.1 | .4 | 2.2 | 5.2 | 1.5 | .15 |
| %RSD | 2.823 | .1669 | .9058 | .7321 | .5905 | .8574 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 142.9 | 222.4 | 236.0 | 715.5 | 256.3 | 17.78 |
| #2 | 149.1 | 222.0 | 237.7 | 722.0 | 255.1 | 17.51 |
| #3 | 141.4 | 221.6 | 240.3 | 711.6 | 253.3 | 17.77 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111845-A-1-A@4 Acquired: 4/11/2016 19:32:55 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4053 | 787.7 | 498.5 | 2899. |
| Stddev | .3140 | .9 | 1.6 | 131. |
| %RSD | 77.48 | .1080 | .3292 | 4.525 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | .3827 | 787.6 | 497.1 | 3038. |
| #2 | .1032 | 788.5 | 498.1 | 2883. |
| #3 | .7300 | 786.8 | 500.3 | 2777. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8393.6 | 56209. | 8541.6 |
| Stddev | 37.6 | 563. | 237.6 |
| %RSD | .44762 | 1.0014 | 2.7818 |

| | | | |
|----|--------|--------|--------|
| #1 | 8417.2 | 56849. | 8815.9 |
| #2 | 8350.2 | 55986. | 8401.1 |
| #3 | 8413.3 | 55791. | 8407.7 |

Sample Name: 460-111849-B-1-A@4 Acquired: 4/11/2016 19:36:53 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.39 | -.6738 | -.2694 | 2.876 | .0043 | 48550. |
| Stddev | 5.64 | .8161 | .5475 | .755 | .0639 | 514. |
| %RSD | 5.918 | 121.1 | 203.2 | 26.25 | 1475. | 1.059 |

| | | | | | | |
|----|-------|--------|--------|-------|--------|--------|
| #1 | 94.56 | -1.615 | .3628 | 2.430 | -.0693 | 47970. |
| #2 | 90.21 | -.1557 | -.5854 | 3.748 | .0463 | 48730. |
| #3 | 101.4 | -.2513 | -.5856 | 2.451 | .0360 | 48950. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2081 | .1237 | .5094 | 2.402 | 852.6 | 36.29 |
| Stddev | .1003 | .1527 | .3052 | .255 | 18.5 | 50.32 |
| %RSD | 48.23 | 123.4 | 59.91 | 10.61 | 2.174 | 138.6 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|--------|
| #1 | .1037 | -.0132 | .2295 | 2.108 | 836.8 | -17.15 |
| #2 | .3038 | .2884 | .8347 | 2.525 | 848.0 | 43.27 |
| #3 | .2167 | .0960 | .4639 | 2.571 | 873.0 | 82.75 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111849-B-1-A@4 Acquired: 4/11/2016 19:36:53 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1080. | 47.83 | 177.4 | .6346 | 1.212 | 1.030 |
| Stddev | 26. | 53.29 | 3.3 | .4884 | 1.402 | .349 |
| %RSD | 2.425 | 111.4 | 1.886 | 76.96 | 115.7 | 33.84 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 1050. | 17.01 | 174.2 | .7606 | 2.682 | 1.433 |
| #2 | 1092. | 17.13 | 177.1 | 1.048 | 1.065 | .8297 |
| #3 | 1099. | 109.4 | 180.9 | .0956 | -.1111 | .8284 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2258 | -2.459 | .1341 | 66.92 | 3.742 | -.5063 |
| Stddev | 2.037 | 1.278 | .2228 | .51 | .539 | .4122 |
| %RSD | 902.1 | 51.98 | 166.2 | .7591 | 14.42 | 81.41 |

| | | | | | | |
|----|--------|--------|--------|-------|-------|--------|
| #1 | 1.448 | -2.081 | -.0510 | 66.40 | 4.364 | -.0314 |
| #2 | -2.126 | -3.884 | .0718 | 66.94 | 3.459 | -.7713 |
| #3 | 1.355 | -1.413 | .3813 | 67.42 | 3.403 | -.7164 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-111849-B-1-A@4 Acquired: 4/11/2016 19:36:53 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.744 | 27.57 | 6.208 | 86.99 |
| Stddev | .290 | .43 | .295 | 5.49 |
| %RSD | 16.61 | 1.554 | 4.750 | 6.313 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.066 | 27.09 | 5.965 | 93.17 |
| #2 | 1.504 | 27.73 | 6.123 | 85.10 |
| #3 | 1.664 | 27.90 | 6.536 | 82.69 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8838.1 | 59912. | 8941.5 |
| Stddev | 40.5 | 405. | 96.4 |
| %RSD | .45859 | .67610 | 1.0777 |

| | | | |
|----|--------|--------|--------|
| #1 | 8806.2 | 59687. | 8893.0 |
| #2 | 8824.4 | 59669. | 8879.0 |
| #3 | 8883.7 | 60379. | 9052.5 |

Sample Name: 460-110623-C-1-A@4 Acquired: 4/11/2016 19:40:46 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10660. | 7.699 | -.2123 | 81.51 | .3434 | 5314. |
| Stddev | 16. | 1.048 | .1426 | .21 | .1334 | 50. |
| %RSD | .1467 | 13.62 | 67.15 | .2543 | 38.86 | .9416 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 10670. | 7.015 | -.1818 | 81.28 | .4298 | 5372. |
| #2 | 10660. | 7.176 | -.3677 | 81.68 | .4106 | 5284. |
| #3 | 10640. | 8.906 | -.0875 | 81.57 | .1897 | 5286. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.976 | 6.209 | 88.70 | 136.2 | 20980. | 802.5 |
| Stddev | .111 | .068 | .61 | 1.5 | 18. | 28.2 |
| %RSD | 3.737 | 1.090 | .6832 | 1.114 | .0854 | 3.515 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 2.997 | 6.232 | 89.28 | 134.5 | 20980. | 795.6 |
| #2 | 2.856 | 6.133 | 88.73 | 136.4 | 21000. | 833.5 |
| #3 | 3.076 | 6.263 | 88.07 | 137.5 | 20960. | 778.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-1-A@4 Acquired: 4/11/2016 19:40:46 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2468. | 214.4 | 2515. | 23.00 | 362.8 | 3.336 |
| Stddev | 7. | 17.2 | 10. | .34 | 2.1 | .907 |
| %RSD | .2957 | 8.006 | .3896 | 1.488 | .5805 | 27.19 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2468. | 234.0 | 2504. | 22.67 | 360.5 | 4.041 |
| #2 | 2461. | 202.0 | 2523. | 23.35 | 364.6 | 2.313 |
| #3 | 2475. | 207.1 | 2517. | 22.97 | 363.4 | 3.653 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.383 | -2.561 | 66.33 | 464.4 | 7.142 | 3.071 |
| Stddev | 1.958 | 2.198 | .13 | 1.7 | .272 | .164 |
| %RSD | 82.18 | 85.82 | .1934 | .3611 | 3.807 | 5.346 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 4.637 | -.2586 | 66.43 | 462.8 | 6.900 | 3.252 |
| #2 | 1.406 | -2.788 | 66.19 | 464.4 | 7.436 | 3.031 |
| #3 | 1.105 | -4.637 | 66.39 | 466.2 | 7.090 | 2.931 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-1-A@4 Acquired: 4/11/2016 19:40:46 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.483 | 36.30 | 498.4 | 874.8 |
| Stddev | .221 | .15 | 1.0 | 11.0 |
| %RSD | 2.330 | .4264 | .2009 | 1.260 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 9.264 | 36.15 | 497.3 | 869.0 |
| #2 | 9.706 | 36.31 | 499.0 | 867.9 |
| #3 | 9.478 | 36.45 | 499.0 | 887.5 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9015.3 | 61211. | 9258.3 |
| Stddev | 26.5 | 768. | 183.0 |
| %RSD | .29354 | 1.2540 | 1.9770 |

| | | | |
|----|--------|--------|--------|
| #1 | 8986.3 | 60450. | 9080.4 |
| #2 | 9021.4 | 61197. | 9248.2 |
| #3 | 9038.1 | 61985. | 9446.1 |

Sample Name: 460-110623-C-2-A@4 Acquired: 4/11/2016 19:44:32 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 35700. | 13.43 | .6434 | 161.7 | 1.592 | 11290. |
| Stddev | 478. | 1.08 | .1901 | 2.5 | .029 | 176. |
| %RSD | 1.338 | 8.007 | 29.54 | 1.549 | 1.848 | 1.560 |

| | | | | | | |
|----|---------------|--------------|--------------|--------------|--------------|---------------|
| #1 | 35240. | 13.83 | .7788 | 159.0 | 1.624 | 11120. |
| #2 | 35660. | 14.25 | .4261 | 162.1 | 1.586 | 11280. |
| #3 | 36200. | 12.22 | .7253 | 164.0 | 1.566 | 11470. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.58 | 10.26 | 118.0 | 216.5 | 24360. | 1902. |
| Stddev | .24 | .27 | 1.1 | 3.0 | 384. | 30. |
| %RSD | 2.057 | 2.585 | .9541 | 1.383 | 1.577 | 1.575 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|---------------|--------------|
| #1 | 11.32 | 9.961 | 117.1 | 213.5 | 23980. | 1869. |
| #2 | 11.64 | 10.38 | 117.7 | 216.5 | 24340. | 1911. |
| #3 | 11.79 | 10.45 | 119.3 | 219.5 | 24750. | 1927. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-2-A@4 Acquired: 4/11/2016 19:44:32 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5510. | 503.8 | 3912. | 59.84 | 3110. | .1150 |
| Stddev | 87. | 6.5 | 42. | 1.11 | 54. | 2.261 |
| %RSD | 1.588 | 1.294 | 1.080 | 1.857 | 1.723 | 1966. |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 5430. | 497.1 | 3870. | 58.74 | 3053. | -2.123 |
| #2 | 5497. | 504.2 | 3911. | 59.84 | 3117. | 2.398 |
| #3 | 5603. | 510.1 | 3954. | 60.96 | 3159. | .0694 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.675 | -3.193 | 232.0 | 675.7 | 6.524 | 5.656 |
| Stddev | 2.094 | 3.104 | 3.4 | 10.3 | .423 | .218 |
| %RSD | 36.90 | 97.22 | 1.446 | 1.527 | 6.487 | 3.857 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 6.686 | -1.908 | 228.7 | 665.3 | 6.037 | 5.416 |
| #2 | 7.071 | -6.733 | 231.8 | 675.8 | 6.732 | 5.708 |
| #3 | 3.268 | -.9378 | 235.4 | 685.9 | 6.803 | 5.843 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-2-A@4 Acquired: 4/11/2016 19:44:32 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 17.56 | 73.41 | 1079. | 1511. |
| Stddev | .29 | .99 | 15. | 45. |
| %RSD | 1.651 | 1.349 | 1.350 | 2.973 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 17.31 | 72.43 | 1065. | 1462. |
| #2 | 17.50 | 73.39 | 1077. | 1523. |
| #3 | 17.88 | 74.41 | 1094. | 1550. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9077.9 | 62048. | 9549.6 |
| Stddev | 18.5 | 220. | 133.1 |
| %RSD | .20331 | .35444 | 1.3932 |

| | | | |
|----|--------|--------|--------|
| #1 | 9062.9 | 61797. | 9397.7 |
| #2 | 9072.3 | 62206. | 9605.7 |
| #3 | 9098.6 | 62141. | 9645.4 |

Sample Name: 460-110623-C-3-A@4 Acquired: 4/11/2016 19:48:16 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 46670. | 10.16 | -.7279 | 171.2 | 1.584 | 7191. |
| Stddev | 278. | .60 | .1468 | 1.3 | .110 | 98. |
| %RSD | .5966 | 5.923 | 20.17 | .7796 | 6.958 | 1.362 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 46390. | 10.55 | -.6436 | 170.1 | 1.661 | 7083. |
| #2 | 46670. | 9.463 | -.8974 | 171.0 | 1.458 | 7216. |
| #3 | 46940. | 10.46 | -.6427 | 172.7 | 1.634 | 7274. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.206 | 8.640 | 62.76 | 87.69 | 20520. | 1359. |
| Stddev | .034 | .170 | .78 | .17 | 236. | 8. |
| %RSD | .5475 | 1.967 | 1.244 | .1888 | 1.151 | .5639 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 6.204 | 8.719 | 61.97 | 87.56 | 20270. | 1368. |
| #2 | 6.240 | 8.445 | 63.53 | 87.63 | 20540. | 1353. |
| #3 | 6.173 | 8.757 | 62.77 | 87.88 | 20740. | 1356. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-3-A@4 Acquired: 4/11/2016 19:48:16 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3740. | 242.1 | 2855. | 35.80 | 1011. | -.4504 |
| Stddev | 26. | 2.1 | 6. | .48 | 11. | 1.549 |
| %RSD | .6864 | .8795 | .2190 | 1.347 | 1.063 | 343.8 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 3712. | 240.0 | 2849. | 35.89 | 1000. | .8978 |
| #2 | 3747. | 242.0 | 2855. | 36.22 | 1011. | -.1072 |
| #3 | 3762. | 244.3 | 2862. | 35.27 | 1022. | -2.142 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.891 | -1.319 | 100.5 | 490.6 | 6.233 | 2.583 |
| Stddev | 2.141 | 1.773 | 1.0 | 5.3 | .515 | .153 |
| %RSD | 31.07 | 134.4 | .9749 | 1.082 | 8.265 | 5.909 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 7.833 | .7254 | 99.39 | 484.6 | 6.560 | 2.699 |
| #2 | 8.398 | -2.244 | 100.9 | 492.6 | 6.499 | 2.641 |
| #3 | 4.440 | -2.438 | 101.2 | 494.6 | 5.639 | 2.410 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-3-A@4 Acquired: 4/11/2016 19:48:16 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.968 | 58.69 | 640.8 | 1605. |
| Stddev | .520 | .27 | 4.0 | 31. |
| %RSD | 5.796 | .4631 | .6221 | 1.934 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 9.427 | 58.49 | 636.7 | 1636. |
| #2 | 9.074 | 58.58 | 640.8 | 1574. |
| #3 | 8.404 | 59.00 | 644.7 | 1604. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9062.4 | 61855. | 9490.7 |
| Stddev | 12.9 | 123. | 108.6 |
| %RSD | .14249 | .19953 | 1.1443 |

| | | | |
|----|--------|--------|--------|
| #1 | 9048.4 | 61997. | 9614.4 |
| #2 | 9065.1 | 61776. | 9411.2 |
| #3 | 9073.8 | 61791. | 9446.4 |

Sample Name: 460-110623-C-4-A@4 Acquired: 4/11/2016 19:52:00 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 30370. | 2.423 | -.6463 | 112.4 | .9880 | 3056. |
| Stddev | 144. | 2.240 | .3544 | .5 | .1034 | 38. |
| %RSD | .4744 | 92.43 | 54.84 | .4093 | 10.47 | 1.235 |

| | | | | | | |
|----|---------------|---------------|---------------|--------------|--------------|--------------|
| #1 | 30200. | 4.071 | -.5839 | 112.8 | .9414 | 3013. |
| #2 | 30460. | -.1272 | -.3273 | 112.3 | 1.107 | 3074. |
| #3 | 30440. | 3.326 | -1.028 | 111.9 | .9161 | 3081. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1196 | 3.951 | 29.62 | 21.29 | 10850. | 724.8 |
| Stddev | .0366 | .089 | .83 | .39 | 137. | 10.9 |
| %RSD | 30.61 | 2.241 | 2.807 | 1.820 | 1.262 | 1.500 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|---------------|--------------|
| #1 | .1611 | 3.910 | 29.29 | 21.69 | 10690. | 737.1 |
| #2 | .1059 | 3.891 | 29.00 | 21.27 | 10930. | 721.0 |
| #3 | .0918 | 4.053 | 30.56 | 20.92 | 10930. | 716.4 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-4-A@4 Acquired: 4/11/2016 19:52:00 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1846. | 150.2 | 1649. | 13.60 | 89.34 | -.8061 |
| Stddev | 34. | 1.7 | 7. | .36 | 1.66 | 2.742 |
| %RSD | 1.853 | 1.145 | .4075 | 2.638 | 1.859 | 340.1 |

| | | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|---------------|
| #1 | 1808. | 148.2 | 1642. | 13.19 | 87.43 | -3.879 |
| #2 | 1873. | 150.8 | 1655. | 13.87 | 90.38 | 1.390 |
| #3 | 1857. | 151.5 | 1651. | 13.75 | 90.22 | .0713 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.203 | -4.872 | 40.46 | 73.82 | 3.432 | .0187 |
| Stddev | 3.157 | 1.528 | .21 | .79 | .336 | .1980 |
| %RSD | 98.57 | 31.37 | .5181 | 1.071 | 9.798 | 1060. |

| | | | | | | |
|----|--------------|---------------|--------------|--------------|--------------|---------------|
| #1 | 3.296 | -4.985 | 40.24 | 72.96 | 3.719 | .2074 |
| #2 | .0003 | -3.290 | 40.65 | 74.01 | 3.062 | .0361 |
| #3 | 6.312 | -6.340 | 40.50 | 74.51 | 3.513 | -.1875 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-4-A@4 Acquired: 4/11/2016 19:52:00 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.910 | 27.13 | 320.9 | 1332. |
| Stddev | .412 | .11 | .9 | 44. |
| %RSD | 21.57 | .4231 | .2826 | 3.330 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.238 | 27.21 | 321.4 | 1377. |
| #2 | 1.448 | 27.18 | 321.4 | 1330. |
| #3 | 2.045 | 27.00 | 319.8 | 1288. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9021.0 | 61261. | 9278.1 |
| Stddev | 51.5 | 687. | 198.2 |
| %RSD | .57040 | 1.1206 | 2.1358 |

| | | | |
|----|--------|--------|--------|
| #1 | 9066.1 | 62002. | 9486.8 |
| #2 | 9032.1 | 61135. | 9254.9 |
| #3 | 8965.0 | 60646. | 9092.6 |

Sample Name: 460-110623-C-5-A@4 Acquired: 4/11/2016 19:55:46 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 37280. | 11.23 | -.1989 | 184.9 | 1.215 | 7977. |
| Stddev | 151. | .35 | .1954 | .3 | .168 | 120. |
| %RSD | .4041 | 3.159 | 98.25 | .1371 | 13.85 | 1.501 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 37450. | 11.14 | -.0377 | 184.8 | 1.115 | 8112. |
| #2 | 37180. | 10.93 | -.1428 | 185.1 | 1.409 | 7882. |
| #3 | 37200. | 11.62 | -.4161 | 184.6 | 1.120 | 7938. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.513 | 9.543 | 87.78 | 140.4 | 26570. | 1377. |
| Stddev | .120 | .066 | .31 | 1.0 | 274. | 29. |
| %RSD | 4.772 | .6892 | .3493 | .6940 | 1.030 | 2.101 |

| | | | | | | |
|----|-------|-------|-------|-------|--------|-------|
| #1 | 2.649 | 9.543 | 88.13 | 139.3 | 26880. | 1409. |
| #2 | 2.423 | 9.477 | 87.64 | 140.9 | 26380. | 1352. |
| #3 | 2.467 | 9.608 | 87.56 | 141.1 | 26440. | 1369. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-5-A@4 Acquired: 4/11/2016 19:55:46 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4318. | 339.3 | 3061. | 42.37 | 997.6 | 1.101 |
| Stddev | 62. | 3.2 | 16. | .35 | 6.3 | .441 |
| %RSD | 1.432 | .9556 | .5299 | .8263 | .6339 | 40.07 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4390. | 343.0 | 3078. | 42.08 | 990.7 | .7858 |
| #2 | 4277. | 337.0 | 3059. | 42.27 | 998.8 | .9126 |
| #3 | 4289. | 337.8 | 3045. | 42.75 | 1003. | 1.606 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.721 | -2.154 | 111.8 | 539.8 | 6.260 | 2.782 |
| Stddev | 2.265 | 2.196 | .8 | 1.3 | .408 | .300 |
| %RSD | 47.98 | 101.9 | .7435 | .2344 | 6.519 | 10.77 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | 4.366 | -2.517 | 112.6 | 539.2 | 5.816 | 2.960 |
| #2 | 2.655 | -4.146 | 111.0 | 538.9 | 6.618 | 2.950 |
| #3 | 7.143 | .2001 | 111.6 | 541.2 | 6.345 | 2.436 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-5-A@4 Acquired: 4/11/2016 19:55:46 Type: Unk
 Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.37 | 59.21 | 725.2 | 1450. |
| Stddev | .06 | .28 | 1.5 | 53. |
| %RSD | .5678 | .4720 | .2020 | 3.639 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 10.31 | 58.89 | 726.8 | 1390. |
| #2 | 10.43 | 59.33 | 724.5 | 1489. |
| #3 | 10.38 | 59.41 | 724.1 | 1472. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9108.2 | 61872. | 9371.1 |
| Stddev | 10.4 | 1511. | 437.8 |
| %RSD | .11373 | 2.4427 | 4.6721 |

| | | | |
|----|--------|--------|--------|
| #1 | 9096.6 | 60128. | 8865.6 |
| #2 | 9116.6 | 62777. | 9625.3 |
| #3 | 9111.3 | 62713. | 9622.5 |

Sample Name: 460-110623-C-6-B@4 Acquired: 4/11/2016 19:59:31 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 27790. | 3.235 | -.3922 | 105.5 | .7075 | 958.3 |
| Stddev | 170. | 1.066 | .1438 | .6 | .1655 | 8.1 |
| %RSD | .6104 | 32.95 | 36.68 | .5391 | 23.39 | .8489 |

| | | | | | | |
|----|--------|-------|--------|-------|-------|-------|
| #1 | 27650. | 2.043 | -.2383 | 104.9 | .5353 | 951.3 |
| #2 | 27750. | 4.096 | -.5232 | 105.7 | .8653 | 956.4 |
| #3 | 27980. | 3.567 | -.4152 | 106.0 | .7218 | 967.2 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1417 | 5.288 | 32.27 | 25.31 | 10110. | 767.3 |
| Stddev | .1152 | .155 | .44 | .41 | 125. | 12.7 |
| %RSD | 81.27 | 2.922 | 1.376 | 1.635 | 1.232 | 1.650 |

| | | | | | | |
|----|--------|-------|-------|-------|--------|-------|
| #1 | -.0122 | 5.253 | 31.81 | 24.85 | 9972. | 753.8 |
| #2 | -.1803 | 5.457 | 32.31 | 25.45 | 10130. | 769.1 |
| #3 | -.2326 | 5.154 | 32.69 | 25.64 | 10220. | 778.9 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-6-B@4 Acquired: 4/11/2016 19:59:31 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2037. | 104.0 | 1064. | 17.51 | 29.25 | -.7171 |
| Stddev | 38. | 1.0 | 5. | .32 | .72 | 1.912 |
| %RSD | 1.872 | .9435 | .4930 | 1.853 | 2.463 | 266.7 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 2014. | 103.1 | 1061. | 17.14 | 28.83 | 1.340 |
| #2 | 2017. | 103.9 | 1060. | 17.63 | 30.08 | -2.439 |
| #3 | 2081. | 105.0 | 1070. | 17.76 | 28.85 | -1.052 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .3794 | -2.621 | 29.13 | 59.63 | 2.982 | -.0221 |
| Stddev | 1.563 | 2.124 | .21 | .11 | .530 | .1879 |
| %RSD | 411.9 | 81.03 | .7071 | .1814 | 17.76 | 851.7 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | -1.330 | -5.039 | 28.89 | 59.51 | 2.690 | .1848 |
| #2 | 1.735 | -1.767 | 29.24 | 59.72 | 3.593 | -.0687 |
| #3 | .7331 | -1.057 | 29.26 | 59.67 | 2.662 | -.1823 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-6-B@4 Acquired: 4/11/2016 19:59:31 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.655 | 10.63 | 471.5 | 1252. |
| Stddev | .207 | .11 | 2.2 | 16. |
| %RSD | 12.51 | 1.075 | .4767 | 1.241 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 1.878 | 10.58 | 469.0 | 1247. |
| #2 | 1.620 | 10.54 | 472.1 | 1239. |
| #3 | 1.469 | 10.76 | 473.4 | 1269. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9041.0 | 61455. | 9274.2 |
| Stddev | 35.1 | 224. | 56.1 |
| %RSD | .38779 | .36485 | .60540 |

| | | | |
|----|--------|--------|--------|
| #1 | 9000.8 | 61197. | 9240.8 |
| #2 | 9056.8 | 61603. | 9339.0 |
| #3 | 9065.3 | 61565. | 9242.8 |

Sample Name: 460-110623-C-7-B@4 Acquired: 4/11/2016 20:03:19 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9052. | 2.434 | -.2695 | 34.89 | .3291 | 3303. |
| Stddev | 25. | 1.669 | .2072 | .29 | .0597 | 13. |
| %RSD | .2743 | 68.56 | 76.91 | .8212 | 18.13 | .3832 |

| | | | | | | |
|----|-------|-------|--------|-------|-------|-------|
| #1 | 9066. | 4.211 | -.0408 | 34.76 | .2924 | 3290. |
| #2 | 9067. | 2.193 | -.4450 | 35.22 | .3980 | 3316. |
| #3 | 9024. | .8993 | -.3226 | 34.68 | .2971 | 3303. |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1607 | .2166 | 9.291 | 14.04 | 1810. | 140.6 |
| Stddev | .0144 | .1229 | .466 | .36 | 6. | 44.3 |
| %RSD | 8.984 | 56.71 | 5.018 | 2.578 | .3425 | 31.46 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | .1522 | .2380 | 8.760 | 14.07 | 1803. | 191.7 |
| #2 | .1525 | .3274 | 9.633 | 14.38 | 1810. | 115.9 |
| #3 | .1774 | .0845 | 9.481 | 13.66 | 1816. | 114.3 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-7-B@4 Acquired: 4/11/2016 20:03:19 Type: Unk

Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 542.5 | 264.0 | 209.8 | 2.816 | 94.54 | -1.237 |
| Stddev | 2.9 | .7 | 2.0 | .214 | .85 | .676 |
| %RSD | .5355 | .2487 | .9695 | 7.580 | .8997 | 54.68 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|--------|
| #1 | 539.2 | 264.3 | 212.1 | 2.960 | 94.72 | -1.940 |
| #2 | 544.7 | 264.5 | 208.5 | 2.918 | 95.28 | -1.179 |
| #3 | 543.6 | 263.2 | 208.7 | 2.571 | 93.61 | -.5912 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.857 | -2.940 | 12.41 | 34.74 | 3.500 | -.0312 |
| Stddev | 1.756 | 1.472 | .33 | .10 | .465 | .2244 |
| %RSD | 94.57 | 50.05 | 2.680 | .2868 | 13.30 | 719.8 |

| | | | | | | |
|----|--------|--------|-------|-------|-------|--------|
| #1 | -.1630 | -2.737 | 12.03 | 34.72 | 3.826 | .0176 |
| #2 | 2.712 | -4.503 | 12.62 | 34.85 | 3.708 | .1648 |
| #3 | 3.021 | -1.581 | 12.59 | 34.66 | 2.967 | -.2759 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-7-B@4 Acquired: 4/11/2016 20:03:19 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.640 | 41.73 | 113.9 | 611.0 |
| Stddev | .479 | .11 | .4 | 24.5 |
| %RSD | 29.19 | .2735 | .3346 | 4.013 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2.086 | 41.85 | 113.5 | 582.7 |
| #2 | 1.134 | 41.70 | 114.1 | 624.0 |
| #3 | 1.701 | 41.63 | 114.2 | 626.3 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9082.5 | 62771. | 9561.2 |
| Stddev | 21.2 | 183. | 109.5 |
| %RSD | .23384 | .29182 | 1.1457 |

| | | | |
|----|--------|--------|--------|
| #1 | 9058.0 | 62677. | 9445.9 |
| #2 | 9095.4 | 62655. | 9573.7 |
| #3 | 9094.2 | 62983. | 9663.9 |

Sample Name: 460-110623-C-7-B@20 Acquired: 4/11/2016 20:07:10 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1826. | .1519 | -.3664 | 6.898 | .0141 | 668.3 |
| Stddev | 20. | 2.159 | .6971 | .119 | .0457 | 1.9 |
| %RSD | 1.094 | 1421. | 190.3 | 1.727 | 324.4 | .2834 |

| | | | | | | |
|----|--------------|---------------|---------------|--------------|---------------|--------------|
| #1 | 1848. | -.6865 | -.2944 | 6.991 | .0441 | 666.9 |
| #2 | 1809. | -1.462 | -1.097 | 6.764 | -.0385 | 670.5 |
| #3 | 1822. | 2.604 | .2920 | 6.940 | .0367 | 667.7 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0695 | -.0939 | 1.596 | 4.501 | 359.5 | 36.29 |
| Stddev | .0845 | .1646 | .128 | .351 | 1.8 | 24.63 |
| %RSD | 121.6 | 175.3 | 8.037 | 7.802 | .5136 | 67.88 |

| | | | | | | |
|----|---------------|---------------|--------------|--------------|--------------|--------------|
| #1 | .1240 | .0098 | 1.488 | 4.177 | 358.8 | 58.36 |
| #2 | .1123 | -.2837 | 1.561 | 4.451 | 358.0 | 9.716 |
| #3 | -.0279 | -.0078 | 1.738 | 4.874 | 361.5 | 40.79 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-7-B@20 Acquired: 4/11/2016 20:07:10 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 106.1 | 55.27 | 37.67 | 1.207 | 18.14 | -1.724 |
| Stddev | 2.8 | .16 | 1.30 | .197 | .70 | 1.991 |
| %RSD | 2.665 | .2823 | 3.450 | 16.28 | 3.834 | 115.5 |
| #1 | 108.4 | 55.19 | 37.72 | 1.430 | 17.89 | -3.286 |
| #2 | 106.9 | 55.45 | 36.35 | 1.060 | 17.61 | .5171 |
| #3 | 102.9 | 55.17 | 38.95 | 1.131 | 18.93 | -2.403 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|----------------|---------------|---------------|---------------|----------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.298 | - .6060 | 2.572 | 7.425 | .9447 | - .5202 |
| Stddev | 2.176 | .8185 | .309 | .174 | .4147 | .0618 |
| %RSD | 167.6 | 135.1 | 12.00 | 2.339 | 43.90 | 11.88 |
| #1 | .2402 | -1.023 | 2.263 | 7.389 | 1.349 | -.5350 |
| #2 | 3.801 | -1.132 | 2.880 | 7.614 | .9648 | -.4524 |
| #3 | -.1468 | .3370 | 2.573 | 7.272 | .5203 | -.5733 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: 460-110623-C-7-B@20 Acquired: 4/11/2016 20:07:10 Type: Unk
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1411 | 8.506 | 22.06 | 128.0 |
| Stddev | .3591 | .005 | .17 | 10.7 |
| %RSD | 254.6 | .0560 | .7713 | 8.324 |

| | | | | |
|----|---------------|--------------|--------------|--------------|
| #1 | -.4227 | 8.511 | 21.91 | 123.8 |
| #2 | -.2638 | 8.503 | 22.25 | 140.1 |
| #3 | .2633 | 8.502 | 22.03 | 120.0 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9111.2 | 62640. | 9561.2 |
| Stddev | 10.5 | 151. | 145.8 |
| %RSD | .11493 | .24145 | 1.5255 |

| | | | |
|----|---------------|---------------|---------------|
| #1 | 9102.1 | 62466. | 9427.5 |
| #2 | 9122.6 | 62715. | 9539.3 |
| #3 | 9108.7 | 62740. | 9716.7 |

Sample Name: CCV Acquired: 4/11/2016 20:11:02 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|----------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 120000. | 2395. | 1181. | 9859. | 971.8 | 119000. |
| Stddev | 703. | 5. | 5. | 7. | 5.9 | 1050. |
| %RSD | .5856 | .2076 | .4207 | .0735 | .6075 | .8823 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|---------|
| #1 | 119300. | 2393. | 1183. | 9857. | 966.4 | 118300. |
| #2 | 120100. | 2400. | 1176. | 9867. | 970.9 | 118500. |
| #3 | 120700. | 2391. | 1185. | 9854. | 978.1 | 120200. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1215. | 2417. | 4793. | 11890. | 96230. | 48310. |
| Stddev | 1. | 3. | 36. | 33. | 714. | 282. |
| %RSD | .1224 | .1047 | .7458 | .2747 | .7424 | .5833 |

| | | | | | | |
|----|-------|-------|-------|--------|--------|--------|
| #1 | 1213. | 2416. | 4772. | 11930. | 95820. | 47990. |
| #2 | 1216. | 2420. | 4772. | 11880. | 95800. | 48430. |
| #3 | 1214. | 2416. | 4834. | 11870. | 97050. | 48510. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 20:11:02 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 119900. | 4936. | 121900. | 2448. | 7287. | 952.9 |
| Stddev | 1093. | 32. | 411. | 4. | 3. | 5.2 |
| %RSD | .9117 | .6397 | .3370 | .1805 | .0466 | .5445 |

| | | | | | | |
|----|---------|-------|---------|-------|-------|-------|
| #1 | 119100. | 4917. | 121500. | 2449. | 7283. | 954.5 |
| #2 | 119300. | 4920. | 122000. | 2452. | 7290. | 957.0 |
| #3 | 121100. | 4973. | 122300. | 2443. | 7288. | 947.1 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2348. | 2430. | 2389. | 2452. | 946.1 | 2345. |
| Stddev | 8. | 3. | 10. | 9. | 1.2 | 4. |
| %RSD | .3309 | .1271 | .4235 | .3709 | .1268 | .1876 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 2356. | 2428. | 2381. | 2442. | 946.1 | 2344. |
| #2 | 2347. | 2433. | 2385. | 2456. | 947.4 | 2350. |
| #3 | 2341. | 2427. | 2400. | 2458. | 945.0 | 2341. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCV Acquired: 4/11/2016 20:11:02 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 959.6 | 4891. | 9757. | 9334. |
| Stddev | 2.3 | 13. | 31. | 86. |
| %RSD | .2393 | .2583 | .3183 | .9187 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 957.4 | 4878. | 9736. | 9236. |
| #2 | 959.5 | 4893. | 9741. | 9393. |
| #3 | 962.0 | 4904. | 9792. | 9374. |

| | | | | |
|---------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| Value | | | | |
| Range | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8460.1 | 58921. | 8906.1 |
| Stddev | 6.0 | 472. | 53.8 |
| %RSD | .07037 | .80181 | .60424 |

| | | | |
|----|--------|--------|--------|
| #1 | 8453.7 | 58933. | 8920.6 |
| #2 | 8465.5 | 59388. | 8951.2 |
| #3 | 8461.0 | 58443. | 8846.5 |

Sample Name: CCB Acquired: 4/11/2016 20:14:30 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 14.84 | -.8356 | -.1569 | .2488 | .0289 | -11.63 |
| Stddev | 8.93 | 1.107 | .2441 | .3496 | .0956 | 2.06 |
| %RSD | 60.21 | 132.5 | 155.6 | 140.5 | 330.5 | 17.68 |

| | | | | | | |
|----|-------|--------|--------|--------|--------|--------|
| #1 | 11.55 | -2.105 | .1007 | .5396 | -.0727 | -12.05 |
| #2 | 8.013 | -.3358 | -.1865 | .3458 | .1170 | -13.44 |
| #3 | 24.95 | -.0664 | -.3848 | -.1391 | .0424 | -9.396 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1102 | .0293 | .3135 | 2.383 | 11.92 | 23.49 |
| Stddev | .0666 | .1215 | .1720 | .314 | 2.33 | 24.01 |
| %RSD | 60.49 | 414.9 | 54.88 | 13.17 | 19.53 | 102.2 |

| | | | | | | |
|----|-------|--------|-------|-------|-------|-------|
| #1 | .0681 | .0077 | .3090 | 2.735 | 11.59 | 19.66 |
| #2 | .0754 | -.0799 | .4877 | 2.133 | 14.39 | 49.19 |
| #3 | .1870 | .1601 | .1437 | 2.280 | 9.772 | 1.626 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 20:14:30 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.611 | .2440 | 42.79 | .0735 | -1.140 | -1.934 |
| Stddev | 6.221 | .1924 | 11.05 | .2696 | .848 | .403 |
| %RSD | 134.9 | 78.86 | 25.83 | 366.9 | 74.36 | 20.81 |
| #1 | 10.22 | .4654 | 55.01 | .2003 | -.2559 | -1.901 |
| #2 | 5.688 | .1178 | 39.87 | .2562 | -1.946 | -1.549 |
| #3 | -2.078 | .1487 | 33.49 | -.2361 | -1.218 | -2.352 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Tl1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.021 | -.1973 | .0217 | .1228 | 2.167 | .9447 |
| Stddev | 1.408 | .4100 | .1015 | .0777 | .248 | .3151 |
| %RSD | 46.62 | 207.7 | 466.8 | 63.32 | 11.44 | 33.35 |
| #1 | 3.861 | .2212 | -.0914 | .1716 | 2.424 | 1.208 |
| #2 | 1.395 | -.2151 | .0518 | .1636 | 2.148 | .5958 |
| #3 | 3.807 | -.5981 | .1048 | .0331 | 1.930 | 1.030 |

| | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | |
| Low Limit | | | | | | |

Sample Name: CCB Acquired: 4/11/2016 20:14:30 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|---------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0085 | .2088 | .9197 | -1.585 |
| Stddev | .7089 | .1777 | .1331 | 8.643 |
| %RSD | 8352. | 85.11 | 14.47 | 545.2 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | .3168 | .4132 | 1.025 | 8.175 |
| #2 | -.8217 | .0902 | .9640 | -4.660 |
| #3 | .4794 | .1231 | .7701 | -8.270 |

| | | | | |
|------------|----------|----------|----------|------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | None |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 9004.9 | 61838. | 9076.6 |
| Stddev | 4.7 | 175. | 76.7 |
| %RSD | .05181 | .28258 | .84484 |

| | | | |
|----|--------|--------|--------|
| #1 | 9010.2 | 62024. | 9137.1 |
| #2 | 9003.2 | 61812. | 9102.4 |
| #3 | 9001.4 | 61677. | 8990.4 |

Sample Name: CCVL Acquired: 4/11/2016 20:18:24 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Al3961 | As1890 | Ag3280 | Ba2335 | Be3130 | Ca3181 |
| Line | 396.152 { 85} | 189.042 {478} | 328.068 {103} | 233.527 {445} | 313.042 {108} | 318.128 {106} |
| IS Ref | (Y_3710) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_3710) | (Y_3600) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.8 | 13.22 | 8.785 | 200.8 | 1.925 | 4904. |
| Stddev | 6.4 | .90 | .333 | .9 | .109 | 26. |
| %RSD | 3.381 | 6.808 | 3.792 | .4582 | 5.683 | .5271 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 187.1 | 14.26 | 9.159 | 201.9 | 1.853 | 4875. |
| #2 | 195.9 | 12.71 | 8.677 | 200.6 | 1.872 | 4910. |
| #3 | 183.5 | 12.70 | 8.519 | 200.1 | 2.051 | 4926. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Cd2265 | Co2286 | Cr2677 | Cu3247 | Fe2714 | K_7664 |
| Line | 226.502 {449} | 228.616 {447} | 267.716 {126} | 324.754 {104} | 271.441 {124} | 766.490 { 44} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_3600) | (Y_3600) | (Y_3710) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.976 | 50.59 | 9.877 | 25.30 | 162.0 | 4815. |
| Stddev | .074 | .07 | .276 | .18 | 7.1 | 69. |
| %RSD | 1.862 | .1355 | 2.793 | .6969 | 4.396 | 1.434 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 3.902 | 50.67 | 9.772 | 25.18 | 156.2 | 4743. |
| #2 | 3.977 | 50.54 | 10.19 | 25.50 | 169.9 | 4881. |
| #3 | 4.050 | 50.55 | 9.669 | 25.22 | 159.8 | 4820. |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 20:18:24 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mg2790 | Mn2576 | Na5895 | Ni2316 | Pb2203 | Sb2068 |
| Line | 279.079 {121} | 257.610 {131} | 589.592 { 57} | 231.604 {446} | 220.353 {453} | 206.833 {463} |
| IS Ref | (Y_3600) | (Y_3600) | (Y_3710) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4882. | 16.07 | 4849. | 41.26 | 11.22 | 18.12 |
| Stddev | 51. | .25 | 2. | .55 | 1.10 | 1.01 |
| %RSD | 1.035 | 1.547 | .0424 | 1.323 | 9.843 | 5.584 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 4824. | 15.79 | 4851. | 41.54 | 11.75 | 18.93 |
| #2 | 4904. | 16.17 | 4849. | 40.63 | 11.96 | 16.99 |
| #3 | 4918. | 16.26 | 4847. | 41.61 | 9.950 | 18.46 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

| | | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| Elem | Se196 | Ti1908 | V_2924 | Zn2062 | B_2089 | Mo2020 |
| Line | 196.090 {472} | 190.856 {477} | 292.402 {115} | 206.200 {463} | 208.959 {461} | 202.030 {467} |
| IS Ref | (Y_2243) | (Y_2243) | (Y_3600) | (Y_2243) | (Y_2243) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.04 | 18.05 | 49.36 | 31.07 | 48.47 | 18.91 |
| Stddev | .83 | 1.55 | .50 | .17 | .38 | .11 |
| %RSD | 4.119 | 8.567 | 1.009 | .5378 | .7789 | .5769 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------|
| #1 | 19.35 | 16.41 | 48.95 | 30.95 | 48.63 | 18.80 |
| #2 | 19.82 | 19.48 | 49.22 | 31.26 | 48.04 | 19.02 |
| #3 | 20.95 | 18.27 | 49.92 | 31.00 | 48.74 | 18.91 |

| | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | |
| Range | | | | | | |

Sample Name: CCVL Acquired: 4/11/2016 20:18:24 Type: QC
Method: BC04012016_P(v20) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|--------|---------------|---------------|---------------|----------------|
| Elem | Sn1899 | Sr4077 | Ti3349 | Si2881 |
| Line | 189.989 {477} | 407.771 { 83} | 334.941 {101} | 288.158 {117} |
| IS Ref | (Y_2243) | (Y_3710) | (Y_3600) | (Y_2243) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 48.36 | 20.65 | 20.37 | F .8737 |
| Stddev | .25 | .06 | .15 | 7.211 |
| %RSD | .5229 | .3060 | .7423 | 825.4 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 48.12 | 20.60 | 20.34 | 4.987 |
| #2 | 48.62 | 20.72 | 20.24 | 5.087 |
| #3 | 48.34 | 20.64 | 20.54 | -7.453 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail |
| Value | | | | 200.0 |
| Range | | | | -30.50% |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 |
| Line | 224.306 {450} | 360.073 { 94} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 8950.9 | 61144. | 8995.7 |
| Stddev | 34.8 | 413. | 72.7 |
| %RSD | .38903 | .67593 | .80763 |

| | | | |
|----|--------|--------|--------|
| #1 | 8990.8 | 61609. | 9075.5 |
| #2 | 8935.6 | 61006. | 8978.1 |
| #3 | 8926.4 | 60817. | 8933.5 |

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Batch Number: 361679 Batch Start Date: 04/09/16 20:17 Batch Analyst: Esteban, Edgardo ABatch Method: 3050B Batch End Date: 04/10/16 01:16

| Lab Sample ID | Client Sample ID | Method Chain | Basis | CalcMsg | InitialAmount | FinalAmount | ME_LCS-int 00055 | ME_LCSS_91 00001 | |
|------------------------|------------------|--------------|-------|---------------------|---------------|-------------|---------------------|---------------------|--|
| MB 460-361679/1 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.00 g | 50 mL | | | |
| LCSSRM 460-361679/2 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.00 g | 50 mL | | 1 g | |
| 460-111850-A-1 | A4 | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.25 g | 50 mL | | | |
| 460-111850-A-1 DU | A4 | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.30 g | 50 mL | | | |
| 460-111850-A-1 MS | A4 | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.22 g | 50 mL | 2 mL | | |
| 460-111850-A-2 | A5 | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.25 g | 50 mL | | | |

| Batch Notes | |
|-----------------------------------|------------------------------|
| Balance ID | #35 |
| Hydrogen Peroxide ID | 0000135237 |
| Logbook ID for diluted Nitric | MPR278 |
| Lot # of Nitric Acid | 0000129810 |
| Hot Block ID | #1 |
| Oven, Bath or Block Temperature 1 | 95c Degrees C |
| Pipette ID | #63 |
| Thermometer ID | ICP-4 (CF -1) |
| Digestion Tube/Cup ID | J227204-6407 (50 ml Dg tube) |
| Uncorrected Temperature | 96c Celsius |

| 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 BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Batch Number: 361839 Batch Start Date: 04/11/16 07:48 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 04/11/16 14:00

| Lab Sample ID | Client Sample ID | Method Chain | Basis | CalcMsg | InitialAmount | FinalAmount | ME_LCS-int 00055 | ME_LCSS_91 00001 | |
|------------------------|------------------|--------------|-------|---------------------|---------------|-------------|---------------------|---------------------|--|
| MB 460-361839/1 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.00 g | 50 mL | | | |
| LCSSRM 460-361839/2 | | 3050B, 6010C | | CALC NOT SET TO RUN | 1.01 g | 50 mL | | 1.01 g | |
| 460-111850-A-3 | B4 | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.05 g | 50 mL | | | |
| 460-111850-A-3 DU | B4 | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.05 g | 50 mL | | | |
| 460-111850-A-3 MS | B4 | 3050B, 6010C | T | CALC NOT SET TO RUN | 1.06 g | 50 mL | 2 mL | | |

| Batch Notes | |
|-----------------------------------|------------------------------|
| Balance ID | #35 |
| Hydrogen Peroxide ID | 0000135237 |
| Logbook ID for diluted Nitric | MPR278 |
| Lot # of Nitric Acid | 0000129810 |
| Hot Block ID | #1 |
| Oven, Bath or Block Temperature 1 | 95c Degrees C |
| Pipette ID | #63 |
| Thermometer ID | ICP-4 (CF -1) |
| Digestion Tube/Cup ID | J227204-6407 (50 ml Dg tube) |
| Uncorrected Temperature | 96c Celsius |

| 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

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-111850-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID

A4

A5

B4

Lab Sample ID

460-111850-1

460-111850-2

460-111850-3

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-111850-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 02/15/2007 17:07

| Analyte | Wavelength/ Mass | RL (%) | |
|------------------|---------------------|-----------|--|
| Percent Moisture | | 1 | |
| Percent Solids | | 1 | |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-111850-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/01/2007 16:49

| Analyte | Wavelength/ Mass | XRL (%) | |
|------------------|---------------------|------------|--|
| Percent Moisture | | 1 | |
| Percent Solids | | 1 | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/08/2016 17:50 End Date: 04/08/2016 22:19

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|------------------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | % S o l | M o i s t | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| 460-111621-A-4 MS | 1 | T | 17:50 | X | X | | | | | | | | | | | | | | | | |
| 460-111621-A-4 MSD | 1 | T | 17:50 | X | X | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:50 | | | | | | | | | | | | | | | | | | |
| 460-111621-A-13 DU | 1 | T | 17:50 | X | X | | | | | | | | | | | | | | | | |
| 460-111850-1 | 1 | T | 22:19 | X | X | | | | | | | | | | | | | | | | |
| 460-111850-2 | 1 | T | 22:19 | X | X | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/09/2016 14:03 End Date: 04/12/2016 13:08

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | |
|---------------------|-------------|------------------|-------|------------------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | % S o l | M o i s t | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| 460-111850-3 | 1 | T | 14:03 | X | X | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:03 | | | | | | | | | | | | | | | | | | |
| 460-111850-3 MS | 1 | T | 08:45 | X | X | | | | | | | | | | | | | | | | |
| 460-111850-3 MSD | 1 | T | 08:45 | X | X | | | | | | | | | | | | | | | | |
| 460-111850-3 DU | 1 | T | 13:08 | X | X | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Batch Number: 361567 Batch Start Date: 04/08/16 17:50 Batch Analyst: Hodge, Joshua DBatch Method: Moisture Batch End Date: 04/09/16 09:26

| Lab Sample ID | Client Sample ID | Method Chain | Basis | DISH# | DishWeight | SampleMassWet | SampleMassDry | | |
|-----------------------|------------------|--------------|-------|-------|------------|---------------|---------------|--|--|
| 460-111621-A-4 MS | | Moisture | T | 113 | 0.95 g | 6.81 g | 5.22 g | | |
| 460-111621-A-4 MSD | | Moisture | T | 114 | 0.95 g | 6.81 g | 5.22 g | | |
| 460-111621-A-13 DU | | Moisture | T | 124 | 0.95 g | 7.83 g | 6.44 g | | |
| 460-111850-A-1 | A4 | Moisture | T | 125 | 0.96 g | 6.47 g | 6.01 g | | |
| 460-111850-A-2 | A5 | Moisture | T | 126 | 0.98 g | 5.83 g | 5.32 g | | |

| Batch Notes | |
|--------------------------------------|---------------|
| Balance ID | 104 No Unit |
| Date samples were placed in the oven | 4/8/16 |
| Oven Temp In | 107 Degrees C |
| Time samples were place in the oven | 22:21 |
| Date samples were removed from oven | 4/9/16 |
| Oven Temp Out | 109 Degrees C |
| Time Samples were removed from oven | 09:26 |
| Oven ID | 2 |
| Thermometer ID | 116941 |
| Uncorrected In Temperature | 107 Celsius |
| Uncorrected Out Temperature | 109 Celsius |

| 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

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111850-1

SDG No.: _____

Batch Number: 361654 Batch Start Date: 04/09/16 14:03 Batch Analyst: Martinez, VictorBatch Method: Moisture Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | DISH# | DishWeight | SampleMassWet | SampleMassDry | | |
|-----------------------|------------------|--------------|-------|-------|------------|---------------|---------------|--|--|
| 460-111850-A-3 | B4 | Moisture | T | 52 | 1.00 g | 8.73 g | 8.25 g | | |
| 460-111850-A-3 MS | B4 | Moisture | T | 64 | 1.00 g | 8.73 g | 8.25 g | | |
| 460-111850-A-3 MSD | B4 | Moisture | T | 65 | 1.00 g | 8.73 g | 8.25 g | | |
| 460-111850-A-3 DU | B4 | Moisture | T | 66 | 1.00 g | 8.73 g | 8.25 g | | |

| Batch Notes | |
|--------------------------------------|---------------|
| Balance ID | 104 No Unit |
| Date samples were placed in the oven | 4/9/16 |
| Oven Temp In | 105 Degrees C |
| Time samples were place in the oven | 14:21 |
| Date samples were removed from oven | 4/11/16 |
| Oven Temp Out | 104 Degrees C |
| Time Samples were removed from oven | 08:05 |
| Oven ID | 3 |
| Thermometer ID | 117021 |
| Uncorrected In Temperature | 105 Celsius |
| Uncorrected Out Temperature | 104 Celsius |

| 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

Page 1 of 1

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 2

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Name (for report and invoice)

IAN HOFFMAN

Samplers Name (Printed)

EAR-Site

Site/Project Identification

DEC-ELMIRA-SITE / SITE E130150

Company

EAR

P.O. #

Regulatory Program:

DKAP: ☐

Address

225 Atlantic Ave

Analysis Turnaround Time

Standard ☐
Rush Charges Authorized For:
2 Week ☐
1 Week ☐
Other ☒ 24-Hr

ANALYSIS REQUESTED (ENTER X BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:

City

Brooklyn

State

NY

Phone

(314) 44-6400

Fax

(314) 44-6497

Sample Identification

Date

Time

Matrix

No. of

Cont.

EPA METHOD

8270 (TCL)

EPA METHOD

6010 (NO₃-N)

460-111850 Chain of Custody

Job No:

Sample

Numbers

11850

1

2

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH

6 = Other WATER, 7 = Other

Soil:

6

Water:

6

6

6

6

6

6

6

6

6

6

SHORT
HOLD

Special Instructions

ALLEGAN B. DEINERBACH

Water Metals Filtered (Yes/No)?

Relinquished by

Sept 1995

Company

EAR

Date / Time

4/8/16 1430

Received by

1) [Signature]

Company

RA

Relinquished by

2) [Signature]

Company

T.D.

Date / Time

4/8/16 1800

Received by

2) [Signature]

Company

RA

Relinquished by

3) [Signature]

Company

EAR

Date / Time

4/8/16 1800

Received by

3) [Signature]

Company

RA

Relinquished by

4) [Signature]

Company

EAR

Date / Time

4/8/16 1800

Received by

4) [Signature]

Company

RA

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

TAL-0016 (07/15)

D. 7/1/17 EAR 6 1000

TestAmerica

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 2 of 2

| | | | | | |
|--|-----------------------|---|--------------------|---|-----------------------------|
| Name (for report and invoice) <u>IAN HOFFMAN</u> | | Samplers Name (Printed) <u>EM-S</u> | | Site/Project Identification <u>DEC-Elmout 516 / SITE E130150</u> | |
| Company <u>EMR</u> | | P.O. # | | State (Location of site): NJ: <input type="checkbox"/> NY: <input checked="" type="checkbox"/> Other: <input type="checkbox"/> | |
| Address <u>225 HERRING AVE</u> | | Analysis Turnaround Time Standard <input checked="" type="checkbox"/> (10-24H) Rush Charges Authorized For: 1 Week <input type="checkbox"/> 2 Week <input type="checkbox"/> Other <input type="checkbox"/> | | ANALYSIS REQUESTED (ENTER X BELOW TO INDICATE REQUEST) | |
| City <u>PARROQUE</u> | | State <u>NY</u> | | Regulatory Program: | |
| Phone <u>651-444-6447</u> | | Fax <u>651-444-6447</u> | | EPA METHOD 8270 (TCL) <input checked="" type="checkbox"/> EPA METHOD 6010 (w/ Hg) <input checked="" type="checkbox"/> MS <input checked="" type="checkbox"/> MSD <input checked="" type="checkbox"/> | |
| Sample Identification <u>B4</u> | Date <u>4/8/16</u> | Time <u>1325</u> | Matrix <u>S</u> | No. of Cont. <u>3</u> | Job No. <u>111850</u> |
| | | | | | Sample Numbers <u>25</u> |
| <p>Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH 6 = Other <u>UNPICKED</u> 7 = Other _____</p> <p>Soil: <u>6</u> <u>6</u> <u>6</u> <u>6</u> Water: _____</p> | | | | | |

Special Instructions

ARSENIC B DETENTHARS

Water Metals Filtered (Yes/No)?

| | | | | |
|--------------------------------------|-----------------------|-----------------------------------|-----------------------------------|----------------------|
| Relinquished by <u>Steph Gumb</u> | Company <u>EMR</u> | Date / Time <u>4/8/16 1430</u> | Received by <u>[Signature]</u> | Company <u>TA</u> |
| Relinquished by | Company | Date / Time | Received by | Company |
| Relinquished by | Company | Date / Time | Received by | Company |
| Relinquished by | Company | Date / Time | Received by | Company |

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

TAL-0016 (0715)

11850

[illegible][illegible]

| RAW | | CORRECTED | |
|------------|------|-----------|--|
| Cooler #1: | 67.0 | 67.0 | |
| Cooler #2: | | | |
| Cooler #3: | | | |
| Cooler #4: | | | |
| Cooler #5: | | | |
| Cooler #6: | | | |
| Cooler #7: | | | |
| Cooler #8: | | | |
| Cooler #9: | | | |

[illegible]

Date: 7/8/16

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-111850-1

Login Number: 111850
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison

| 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. | N/A | Not present |
| Sample custody seals, if present, are intact. | N/A | |
| 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 | 1.7°C, IR #6 |
| 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 (excluding tests with immediate HTs) | 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"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | No analysis requiring residual chlorine check assigned. |